

Converting Colors

XYZ(81.7174, 87.5435,
107.1984)

Have a look what the booklet for
XYZ(81.7174, 87.5435, 107.1984)
contains.

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Color

**XYZ(81.7791, 87.6521,
107.2161)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F3FF
RGB	227, 243, 255
RGB Percent	89%, 95%, 100%
CMY	0.1098, 0.0470, 0.0000
CMYK	0.11, 0.05, 0.00, 0.00
HSL	206°, 100%, 95%
HSV	206°, 11%, 100%
XYZ	81.7791, 87.6521, 107.2161
YIQ	239.5840, -13.3880, 0.3400

Conversions

Conversions Part 2

Format	Color
R _Y B	227, 237, 255
Decimal	14939135
CIE Lab	95.01, -2.95, -7.57
CIE LCh	95, 8.125, 248.707
Yxy	87.6521, 0.2956, 0.3168
Android (android.graphics.Color)	4293129215 (0xFFE3F3FF)
YUV	239.5840, 7.6001, -11.0362
Hunter-Lab	93.6227, -7.9206, -2.3626

Details

The XYZ color **81.7791, 87.6521, 107.2161** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.9709, 88.5371, 85.2327**, and the grayscale version is **82.4513, 86.7452, 94.4655**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7580, 48.2758, 60.3852** is the 20% darker color. If you saturate the color by 10%, you get **71.1520, 77.4661, 105.8101**, and if you desaturate by 10%, it is **93.7965, 98.8484, 108.7438**.

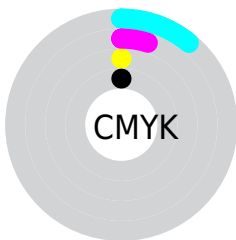
Distribution



- Red (89%)
- Green (95%)
- Blue (100%)



- Red (89%)
- Yellow (93%)
- Blue (100%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7791, 87.6521, 107.2161 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 81.7791, 87.6521, 107.2161 by changing the saturation by 10% instead.

81.7791, 87.6521,
107.2161

81.7791, 87.6521,
107.2161

489.5542,
520.3633, 604.5318

61.4970, 66.0350,
81.6902

134.8016,
144.0727, 173.1770

44.8804, 48.3008,
60.5759

168.2727,
179.6450, 214.4491

31.5641, 34.0652,
43.4546

206.8708,
220.6378, 261.8069

21.1827, 22.9437,
29.9079

250.9613,
267.4355, 315.6691

13.3708, 14.5519,
19.5173

300.9095,
320.4225, 376.4541

7.7632, 8.5055,
11.8641

357.0809,

3.9943, 4.4201,

379.9832, 444.5805

6.5298

419.8406,
446.5020, 520.4669

■ 1.6989, 1.9112,
3.0959

■ 0.4556, 0.5551,
1.1438

■ 81.7791, 87.6521,
107.2161

■ 81.7791, 87.6521,
107.2161

■ 71.1520, 77.4661,
105.8101

■ 93.7965, 98.8484,
108.7438

■ 61.8528, 68.2461,
104.5206

■ 95.0500, 100.0000,
108.9000

■ 53.8243, 59.9598,
103.3443

■ 47.0021, 52.5689,
102.2773

■ 41.3159, 46.0316,
101.3152

■ 36.6872, 40.3020,
100.4532

■ 33.0264, 35.3280,
99.6861

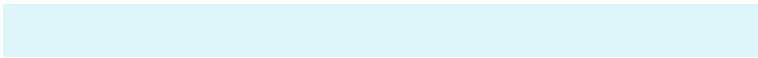
■ 30.2266, 31.0486,
99.0076

■ 28.2914, 27.7028,
98.4638

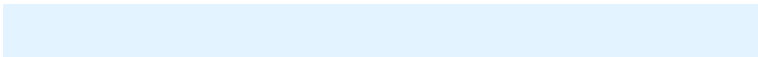
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0427, 87.6521, 103.2419



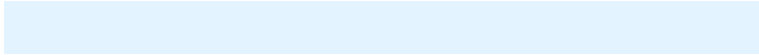
81.7791, 87.6521, 107.2161



83.9548, 87.6521, 107.9631

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7791, 87.6521, 107.2161



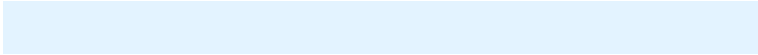
87.5763, 87.6521, 93.6102



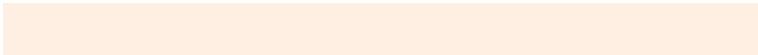
80.6850, 87.6521, 86.2647

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



81.7791, 87.6521, 107.2161



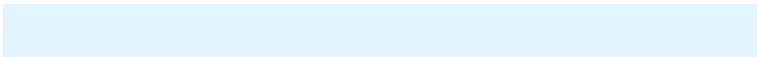
85.9709, 88.5371, 85.2327

Split Complementary

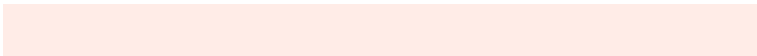
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6699, 87.6521, 83.9216



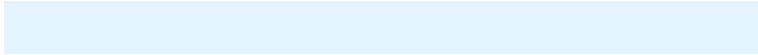
81.7791, 87.6521, 107.2161



86.6664, 87.6521, 88.0380

Square

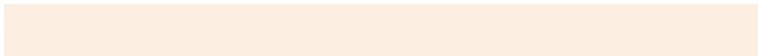
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7791, 87.6521, 107.2161



87.3276, 87.6521, 99.9201



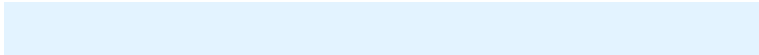
84.8613, 87.6521, 84.5561



79.4189, 87.6521, 91.0924

Rectangle

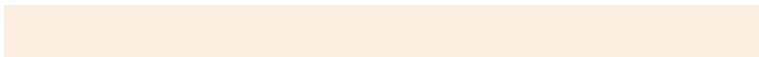
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7791, 87.6521, 107.2161



85.3657, 87.6521, 106.5000



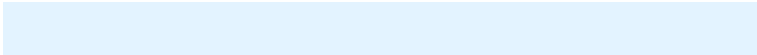
84.8613, 87.6521, 84.5561



81.2889, 87.6521, 85.1703

Sweetspot

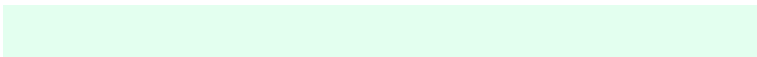
The Sweet Spot groups the original color and five complimentary colors.



81.7814, 87.6557, 107.2166



91.2547, 96.5046, 108.4254



82.9701, 94.0636, 95.1874



19.3198, 20.4594, 23.1807



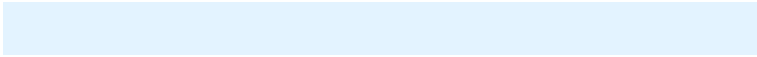
0.0000, 0.0000, 0.0000



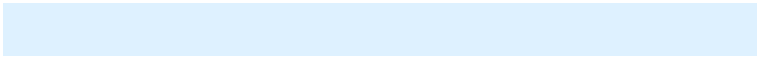
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7814, 87.6557, 107.2166



79.5239, 85.5172, 106.9229



77.8413, 79.7755, 105.9033



17.8650, 19.1016, 22.9953



14.9341, 14.7777, 51.4999



1.5626, 1.6558, 5.0505

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



84.8881, 82.6706, 96.2813



83.1685, 79.7617, 94.0733



90.1256, 96.8465, 86.6176



18.4445, 18.1611, 20.9580



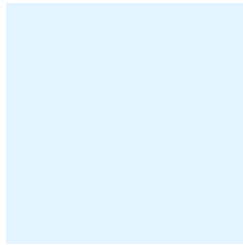
24.3262, 12.2198, 15.6343



2.4233, 1.2117, 1.8106

Previews

White Background



This preview shows how the XYZ color 81.7791, 87.6521, 107.2161 looks on a white background.

Color Contrast Check

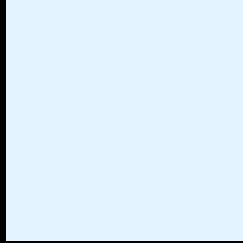
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 81.7791, 87.6521, 107.2161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

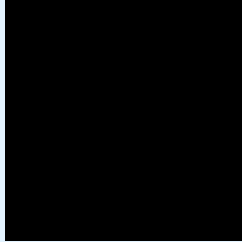
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

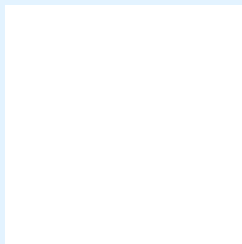
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7791, 87.6521, 107.2161

Background



This preview shows how black text looks on a background with the XYZ color 81.7791, 87.6521, 107.2161.



This preview shows how white text looks on a background with the XYZ color 81.7791, 87.6521,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

81.7791, 87.6521, 107.2161

Protanopia

84.8718, 87.5256, 105.3494

Deuteranopia

88.3459, 87.1365, 106.7704



Tritanopia

83.0808, 87.8801, 107.1915

Trichromacy



Original Color

81.7791, 87.6521, 107.2161

Protanomaly

83.6416, 87.3088, 106.2098

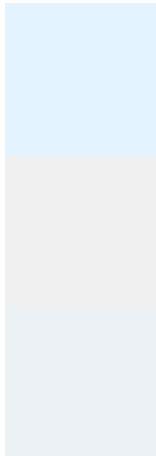
Deuteranomaly

85.6424, 87.0215, 106.8907

Tritanomaly

82.4353, 87.5473, 107.1612

Monochromacy



Original Color

81.7791, 87.6521, 107.2161

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.1977, 87.1653, 98.8785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7791, 87.6521, 107.2161 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(227, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 243, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(227, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 243, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.7791, 87.6521, 107.2161 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 243, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(227, 243, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(227, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 243,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7791, 87.6521, 107.2161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 243, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(227,  
243, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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