

Converting Colors

XYZ(60.2957, 80.7044,
107.1793)

Have a look what the booklet for
XYZ(60.2957, 80.7044, 107.1793)
contains.

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Color

**XYZ(60.1965, 80.6227,
106.9968)**

Conversions

Conversions Part 1

Format	Color
Hex	75FCFF
RGB	117, 252, 255
RGB Percent	46%, 99%, 100%
CMY	0.5412, 0.0117, 0.0000
CMYK	0.54, 0.01, 0.00, 0.00
HSL	181°, 100%, 73%
HSV	181°, 54%, 100%
XYZ	60.1965, 80.6227, 106.9968
YIQ	211.9770, -81.4230, -27.6870

Conversions

Conversions Part 2

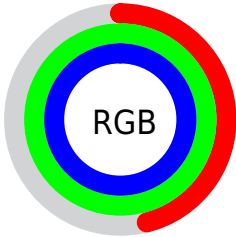
Format	Color
RYB	117, 185, 255
Decimal	7732479
CIELab	91.96, -35.97, -12.69
CIELCh	92, 38.148, 199.437
Yxy	80.6227, 0.2429, 0.3253
Android (android.graphics.Color)	4285922559 (0xFF75FCFF)
YUV	211.9770, 21.2103, -83.2948
Hunter-Lab	89.7901, -37.4640, -7.7988

Details

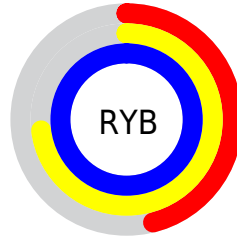
The XYZ color **60.1965, 80.6227, 106.9968** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **51.1680, 35.9781, 21.0792**, and the grayscale version is **62.4685, 65.7217, 71.5709**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **30.7044, 43.6210, 60.2275** is the 20% darker color. If you saturate the color by 10%, you get **57.0525, 78.7461, 106.8003**, and if you desaturate by 10%, it is **64.2782, 82.9873, 107.2381**.

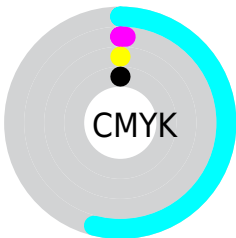
Distribution



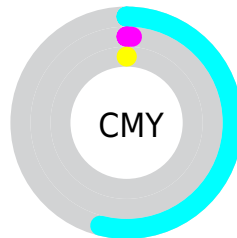
- Red (46%)
- Green (99%)
- Blue (100%)



- Red (46%)
- Yellow (73%)
- Blue (100%)



- Cyan (54%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.1965, 80.6227, 106.9968 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 60.1965, 80.6227, 106.9968 by changing the saturation by 10% instead.

60.1965, 80.6227,
106.9968

60.1965, 80.6227,
106.9968

415.1448,
497.0289, 603.8369

43.8271, 60.2309,
81.5072

104.2194,
134.2409, 172.8751

30.7319, 43.6048,
60.4260

132.6036,
168.2360, 214.1009

20.5456, 30.3599,
43.3346

165.7234,
207.5344, 261.4092

12.9028, 20.1119,
29.8144

203.9443,
252.5205, 315.2185

7.4382, 12.4764,
19.4469

247.6315,
303.5785, 375.9474

3.7864, 7.0690,
11.8135

297.1504,

1.5820, 3.5053,

361.0930, 444.0144

6.4958

352.8664,
425.4484, 519.8380

■ 0.3806, 1.4009,
3.0752

■ 0.0000, 0.2174,
1.1332

■ 60.1965, 80.6227,
106.9968

■ 60.1965, 80.6227,
106.9968

■ 57.0525, 78.7461,
106.8003

■ 64.2782, 82.9873,
107.2381

■ 54.7621, 77.3083,
106.6435

■ 69.3602, 85.8664,
107.5259

■ 53.2372, 76.2660,
106.5227

■ 75.5072, 89.2953,
107.8638

■ 52.3673, 75.5620,
106.4326

■ 82.7766, 93.3035,
108.2543

■ 52.0692, 75.2583,
106.3897

■ 91.2216, 97.9186,
108.7000

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



59.5563, 80.6227, 78.2572



60.1965, 80.6227, 106.9968



65.0162, 80.6227, 135.5008

Triad

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



60.1965, 80.6227, 106.9968



91.8561, 80.6227, 127.7668



80.1364, 80.6227, 44.6988

Complementary

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



60.1965, 80.6227, 106.9968



51.1680, 35.9781, 21.0792

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.



89.5493, 80.6227, 52.8351



60.1965, 80.6227, 106.9968



96.6885, 80.6227, 98.0551

Square

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



60.1965, 80.6227, 106.9968



83.0731, 80.6227, 149.1501



95.8100, 80.6227, 71.0216



70.5279, 80.6227, 46.0911

Rectangle

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



60.1965, 80.6227, 106.9968



70.1989, 80.6227, 148.6337



95.8100, 80.6227, 71.0216



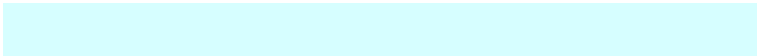
83.4412, 80.6227, 46.3278

Sweetspot

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



60.1987, 80.6257, 106.9973



81.3180, 92.5024, 108.1766



46.4452, 76.6416, 29.8948



17.0746, 19.6173, 23.1365



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.



60.1987, 80.6257, 106.9973



56.8166, 78.6016, 106.7848



42.4659, 45.1602, 101.0863



18.5191, 20.4097, 23.2134



27.2226, 39.3547, 55.5960



2.6609, 3.8525, 5.4166

Inverse Universe

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



65.1734, 41.0126, 96.5800



62.3092, 35.4368, 95.1548



62.4993, 58.6406, 24.8563



18.7747, 18.2932, 22.6964



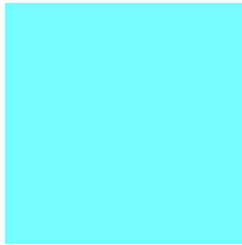
30.5289, 14.7009, 48.2971



2.9777, 1.4335, 4.7300

Previews

White Background



This preview shows how the XYZ color 60.1965, 80.6227, 106.9968 looks on a white background.

Color Contrast Check

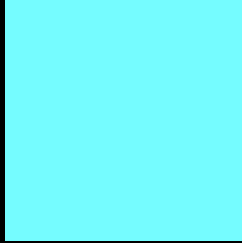
Large Text (above 18pt) WCAG AA × Fail

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 60.1965, 80.6227, 106.9968 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

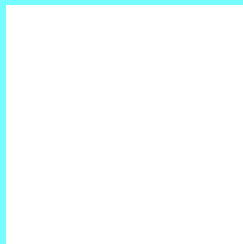
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 60.1965, 80.6227, 106.9968

Background



This preview shows how black text looks on a background with the XYZ color 60.1965, 80.6227, 106.9968.

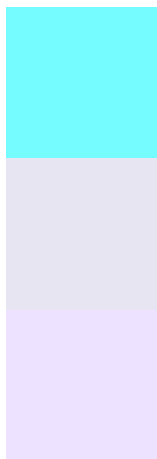


This preview shows how white text looks on a background with the XYZ color 60.1965, 80.6227,

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

60.1965, 80.6227, 106.9968

Protanopia

76.8515, 79.3784, 94.4901

Deuteranopia

80.1714, 79.6172, 105.7499



Tritanopia

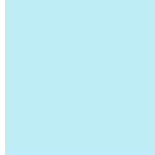
67.4813, 79.8382, 106.4614

Trichromacy



Original Color

60.1965, 80.6227, 106.9968



Protanomaly

68.1539, 78.1693, 98.6849



Deuteranomaly

69.7506, 77.9741, 105.9820



Tritanomaly

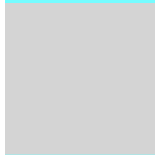
64.3322, 80.0016, 106.6589

Monochromacy



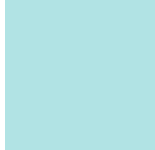
Original Color

60.1965, 80.6227, 106.9968



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

59.6041, 69.8867, 83.7468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.1965, 80.6227, 106.9968 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(117, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 252, 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(117, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 60.1965, 80.6227, 106.9968 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(117, 252, 255) }
```


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

```
.border{ border-color:rgb(117, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 60.1965, 80.6227, 106.9968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 252, 255) }
```

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

```
.background{ background-color: rgb(117,  
252, 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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