

Converting Colors

XYZ(58.1458, 66.6394, 87.8075)

Have a look what the booklet for
XYZ(58.1458, 66.6394, 87.8075)
contains.

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Color

**XYZ(58.1633, 66.6521,
87.6415)**

Conversions

Conversions Part 1

Format	Color
Hex	AEDDEA
RGB	174, 221, 234
RGB Percent	68%, 87%, 92%
CMY	0.3176, 0.1333, 0.0823
CMYK	0.26, 0.06, 0.00, 0.08
HSL	193°, 59%, 80%
HSV	193°, 26%, 92%
XYZ	58.1633, 66.6521, 87.6415
YIQ	208.4290, -32.1850, -5.9210

Conversions

Conversions Part 2

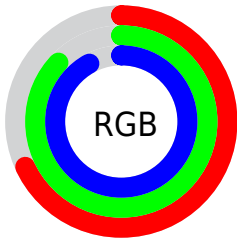
Format	Color
RYB	174, 200, 234
Decimal	11460074
CIELab	85.33, -12.26, -11.34
CIELCh	85, 16.702, 222.761
Yxy	66.6521, 0.2738, 0.3137
Android (android.graphics.Color)	4289650154 (0xFFAEDDEA)
YUV	208.4290, 12.6065, -30.1942
Hunter-Lab	81.6407, -15.7026, -6.4994

Details

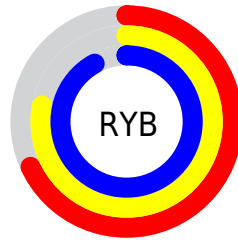
The XYZ color **58.1633, 66.6521, 87.6415** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.3428, 56.0894, 47.7445**, and the grayscale version is **60.1699, 63.3034, 68.9374**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **29.4178, 34.4799, 47.2243** is the 20% darker color. If you saturate the color by 10%, you get **52.0797, 61.5605, 86.9805**, and if you desaturate by 10%, it is **65.1994, 72.2980, 88.3615**.

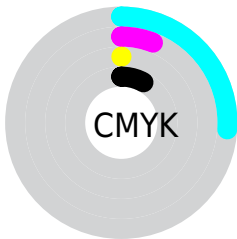
Distribution



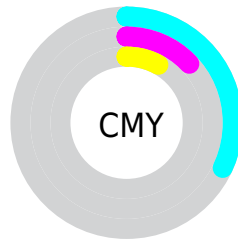
- Red (68%)
- Green (87%)
- Blue (92%)



- Red (68%)
- Yellow (78%)
- Blue (92%)



- Cyan (26%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (32%)
- Magenta (13%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1633, 66.6521, 87.6415 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 58.1633, 66.6521, 87.6415 by changing the saturation by 10% instead.

■ 58.1633, 66.6521,
87.6415

■ 58.1633, 66.6521,
87.6415

407.7382,
448.7054, 540.6994

■ 42.1837, 48.8020,
65.4636

■ 101.2822,
114.4218, 145.9647

■ 29.4369, 34.4624,
47.3833

129.1523,
145.1101, 182.9470

■ 19.5575, 23.2491,
32.9823

161.7165,
180.8466, 225.7012

■ 12.1802, 14.7775,
21.8419

199.3403,
222.0156, 274.6459

■ 6.9396, 8.6634,
13.5435

242.3890,
269.0016, 330.1994

■ 3.4703, 4.5223,
7.6688

291.2280,

■ 1.4071, 1.9698,

322.1890, 392.7805

3.7990

346.2226,
381.9621, 462.8077

■ 0.2613, 0.5898,
1.5158

■ 0.0000, 0.0000,
0.2296

■ 58.1633, 66.6521,
87.6415

■ 58.1633, 66.6521,
87.6415

■ 52.0797, 61.5605,
86.9805

■ 65.1994, 72.2980,
88.3615

■ 46.8952, 56.9903,
86.3716

■ 73.2262, 78.5134,
89.1382

■ 42.5600, 52.9169,
85.8138

■ 82.2867, 85.3228,
89.9750

■ 39.0172, 49.3103,
85.3044

■ 87.6299, 90.2774,
90.6497

■ 36.2021, 46.1368,
84.8402

■ 89.1537, 93.3249,
91.1576

■ 34.0397, 43.3570,
84.4177

■ 90.7196, 96.4567,
91.6796

■ 32.4374, 40.9228,
84.0323

■ 91.8515, 98.7206,
92.0569

■ 31.8492, 39.9361,
83.8728

Harmonies

Analogous

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



56.5237, 66.6521, 77.2680



58.1633, 66.6521, 87.6415



61.2213, 66.6521, 94.3223

Triad

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



58.1633, 66.6521, 87.6415



70.5487, 66.6521, 78.9178



61.7590, 66.6521, 54.1066

Complementary

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



58.1633, 66.6521, 87.6415



59.3428, 56.0894, 47.7445

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.



65.5292, 66.6521, 54.4535



58.1633, 66.6521, 87.6415



70.7067, 66.6521, 68.0717

Square

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



58.1633, 66.6521, 87.6415



68.4144, 66.6521, 88.9522



68.8380, 66.6521, 59.3386



58.5435, 66.6521, 58.3386

Rectangle

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



58.1633, 66.6521, 87.6415



63.7015, 66.6521, 95.4113



68.8380, 66.6521, 59.3386



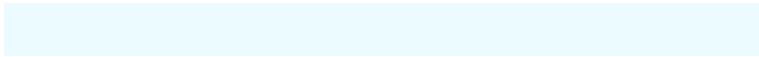
63.0014, 66.6521, 53.7048

Sweetspot

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



58.1653, 66.6548, 87.6430



86.5454, 93.5469, 108.1027



55.7426, 71.3907, 57.2977



18.2013, 19.7743, 23.1075



0.0000, 0.0000, 0.0000



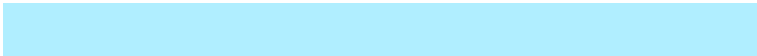
20.3446, 21.4041, 23.3091

Same Dimension

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



58.1653, 66.6548, 87.6430



66.4816, 77.5211, 106.0669



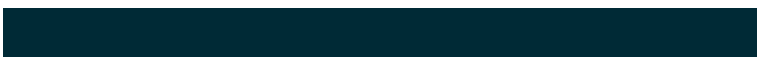
51.1579, 52.6400, 85.3072



15.2247, 16.5359, 19.3116



17.9934, 22.6338, 47.1634



1.4815, 1.9145, 3.7263

Inverse Universe

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



62.1205, 52.9866, 75.3630



72.1699, 58.4568, 88.2729



66.1288, 69.6615, 50.0065



15.5670, 15.2546, 18.2710



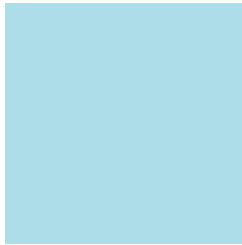
23.9375, 11.7777, 26.5361



1.9143, 0.9387, 2.2661

Previews

White Background



This preview shows how the XYZ color 58.1633, 66.6521, 87.6415 looks on a white background.

Color Contrast Check

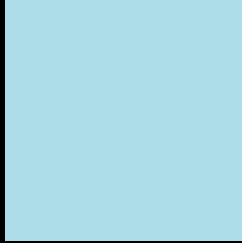
Large Text (above 18pt) WCAG AA × Fail

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 58.1633, 66.6521, 87.6415 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 58.1633, 66.6521, 87.6415

Background



This preview shows how black text looks on a background with the XYZ color 58.1633, 66.6521, 87.6415.

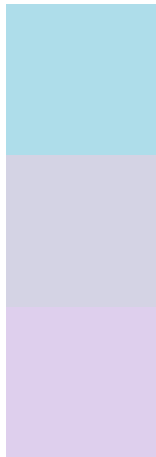


This preview shows how white text looks on a background with the XYZ color 58.1633, 66.6521,

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

58.1633, 66.6521, 87.6415

Protanopia

64.4492, 66.1870, 82.7773

Deuteranopia

67.7231, 66.2697, 89.3427



Tritanopia

58.7050, 66.4734, 90.6255

Trichromacy



Original Color

58.1633, 66.6521, 87.6415

Protanomaly

61.8721, 66.3198, 84.4029

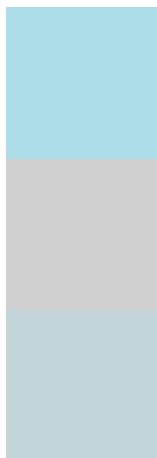
Deuteranomaly

63.8606, 66.1222, 88.7539

Tritanomaly

58.5585, 66.4148, 89.8537

Monochromacy



Original Color

58.1633, 66.6521, 87.6415

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

59.0836, 64.3340, 74.9493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1633, 66.6521, 87.6415 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(174, 221, 234)` looks like.

```
.text, #text, p{  
    color:rgb(174, 221, 234)  
}
```

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(174, 221, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 221, 234) }
```

Border

The CSS property to change the border of an element to XYZ 58.1633, 66.6521, 87.6415 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(174, 221, 234) }
```


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

```
.border{ border-color:rgb(174, 221, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 221, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 221, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 221, 234);  
box-shadow:4px 4px 4px 4px rgb(174, 221,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1633, 66.6521, 87.6415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 221, 234) }
```

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

```
.background{ background-color: rgb(174,  
221, 234) }
```

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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