

Converting Colors

XYZ(21.8606, 23.1483, 57.3487)

Have a look what the booklet for
XYZ(21.8606, 23.1483, 57.3487)
contains.

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Color

**XYZ(21.8606, 23.1483,
57.3487)**

Conversions

Conversions Part 1

Format	Color
Hex	4988C7
RGB	73, 136, 199
RGB Percent	29%, 53%, 78%
CMY	0.7137, 0.4667, 0.2196
CMYK	0.63, 0.32, 0.00, 0.22
HSL	210°, 53%, 53%
HSV	210°, 63%, 78%
XYZ	21.8606, 23.1483, 57.3487
YIQ	124.3450, -57.7710, 6.2370

Conversions

Conversions Part 2

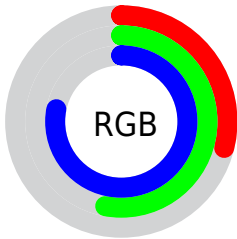
Format	Color
R _Y B	73, 115, 199
Decimal	4819143
CIE Lab	55.22, -0.66, -38.72
CIE LCh	55, 38.721, 269.026
Yxy	23.1483, 0.2136, 0.2262
Android (android.graphics.Color)	4283009223 (0xFF4988C7)
YUV	124.3450, 36.8049, -45.0296
Hunter-Lab	48.1127, -3.0935, -36.9928

Details

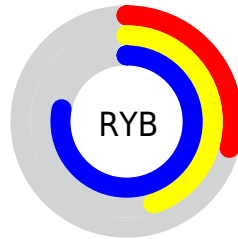
The XYZ color **21.8606, 23.1483, 57.3487** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **33.5612, 30.2333, 10.3712**, and the grayscale version is **19.1690, 20.1672, 21.9621**.

A 20% lighter version of the original color is **45.7633, 48.5207, 101.5612**, and **8.5190, 8.8607, 28.0494** is the 20% darker color. If you saturate the color by 10%, you get **19.2501, 19.8182, 56.8440**, and if you desaturate by 10%, it is **25.0852, 26.9889, 57.9205**.

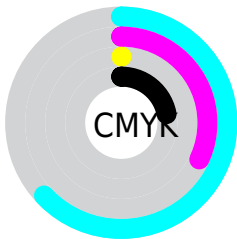
Distribution



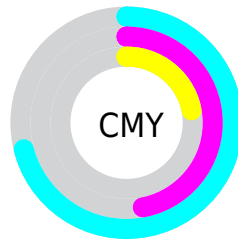
- Red (29%)
- Green (53%)
- Blue (78%)



- Red (29%)
- Yellow (45%)
- Blue (78%)



- Cyan (63%)
- Magenta (32%)
- Yellow (0%)
- Black (22%)



- Cyan (71%)
- Magenta (47%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8606, 23.1483, 57.3487 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 21.8606, 23.1483, 57.3487 by changing the saturation by 10% instead.

■ 21.8606, 23.1483,
57.3487

■ 21.8606, 23.1483,
57.3487

254.4635,
268.4858, 432.2849

■ 13.8705, 14.7030,
40.8740

■ 45.9961, 48.6367,
102.4792

■ 8.1118, 8.6112,
27.9017

■ 62.8722, 66.4487,
131.9721

■ 4.2190, 4.4885,
18.0132

■ 83.4410, 88.1517,
166.6415

■ 1.8267, 1.9504,
10.7899

■ 108.0679,
114.1301, 206.9060

■ 0.5337, 0.5784,
5.8134

■ 137.1183,
144.7683, 253.1840

■ 0.0000, 0.0000,
2.6650

170.9574,

■ 0.0000, 0.0000,

180.4507, 305.8941

0.9257

209.9507,
221.5617, 365.4549

■ 0.0000, 0.0000,
0.0000

■ 21.8606, 23.1483,
57.3487

■ 21.8606, 23.1483,
57.3487

■ 19.2501, 19.8182,
56.8440

■ 25.0852, 26.9889,
57.9205

■ 17.1998, 16.9644,
56.4012

■ 28.9662, 31.3657,
58.5608

■ 15.6490, 14.5506,
56.0170

■ 33.5450, 36.3052,
59.2729

■ 14.8180, 13.1417,
55.7889

■ 38.8585, 41.8312,
60.0595

■ 44.9407, 47.9657,
60.9230

■ 51.8236, 54.7296,
61.8658

■ 59.5371, 62.1426,
62.8901

■ 68.1096, 70.2234,
63.9980

■ 77.5682, 78.9900,
65.1916

Harmonies

Analogous

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



17.9894, 23.1483, 51.6716



21.8606, 23.1483, 57.3487



26.2934, 23.1483, 52.3282

Triad

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



21.8606, 23.1483, 57.3487



30.1134, 23.1483, 15.3157



15.6080, 23.1483, 14.8178

Complementary

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



21.8606, 23.1483, 57.3487



33.5612, 30.2333, 10.3712

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.



18.2045, 23.1483, 9.5767



21.8606, 23.1483, 57.3487



26.5703, 23.1483, 9.7908

Square

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



21.8606, 23.1483, 57.3487



31.4194, 23.1483, 25.6119



22.1435, 23.1483, 8.0917



14.6835, 23.1483, 24.8016

Rectangle

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



21.8606, 23.1483, 57.3487



28.9048, 23.1483, 44.2933



22.1435, 23.1483, 8.0917



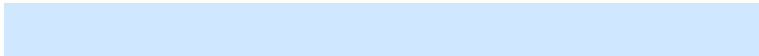
16.2959, 23.1483, 12.5805

Sweetspot

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



21.8615, 23.1491, 57.3493



72.1693, 77.4462, 105.7526



27.6160, 44.0416, 30.3393



14.8063, 15.9257, 22.5435



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.



21.8615, 23.1491, 57.3493



32.2302, 32.7053, 99.2218



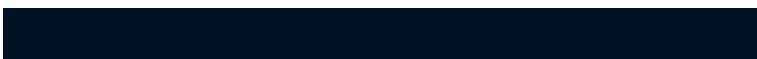
15.4400, 10.3063, 55.2088



10.4875, 11.1490, 13.5167



9.6158, 8.6256, 35.9025



0.5277, 0.5533, 1.7241

Inverse Universe

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



30.3804, 18.6858, 25.2987



49.0993, 27.0908, 35.0327



45.1798, 53.4705, 14.2441



10.8513, 10.7239, 12.2003



16.6530, 8.4107, 8.6483



0.8251, 0.4129, 0.6020

Previews

White Background



This preview shows how the XYZ color 21.8606, 23.1483, 57.3487 looks on a white background.

Color Contrast Check

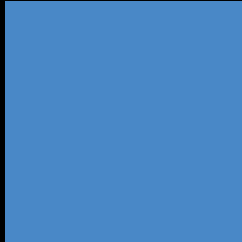
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8606, 23.1483, 57.3487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

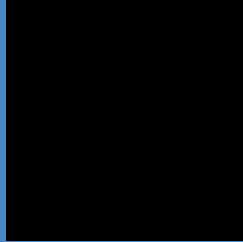
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8606, 23.1483, 57.3487

Background



This preview shows how black text looks on a background with the XYZ color 21.8606, 23.1483, 57.3487.

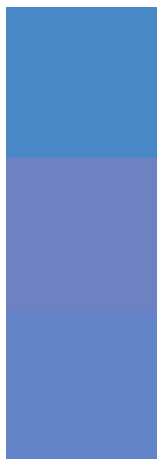


This preview shows how white text looks on a background with the XYZ color 21.8606, 23.1483,

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

21.8606, 23.1483, 57.3487

Protanopia

23.9063, 22.8658, 53.6056

Deuteranopia

23.5786, 22.9994, 57.8402



Tritanopia

17.3392, 23.0506, 34.9878

Trichromacy



Original Color

21.8606, 23.1483, 57.3487

Protanomaly

23.0314, 22.9840, 54.8522

Deuteranomaly

22.9327, 23.0690, 57.8877

Tritanomaly

18.7749, 22.9581, 42.4715

Monochromacy



Original Color

21.8606, 23.1483, 57.3487

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.1308, 20.6760, 32.2607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8606, 23.1483, 57.3487 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(73, 136, 199)` looks like.

```
.text, #text, p{  
    color:rgb(73, 136, 199)  
}
```

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(73, 136, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 136, 199) }
```

Border

The CSS property to change the border of an element to XYZ 21.8606, 23.1483, 57.3487 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(73, 136, 199) }
```


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

```
.border{ border-color:rgb(73, 136, 199) }
```

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

Here you see how a box with a 4 pixel rgb(73, 136, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 136, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 136, 199);  
box-shadow:4px 4px 4px 4px rgb(73, 136,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8606, 23.1483, 57.3487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 136, 199) }
```

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

```
.background{ background-color: rgb(73, 136,  
199) }
```

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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