

Converting Colors

XYZ(23.9982, 22.8676, 56.0156)

Have a look what the booklet for
XYZ(23.9982, 22.8676, 56.0156)
contains.

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Color

**XYZ(23.9917, 22.8575,
55.9708)**

Conversions

Conversions Part 1

Format	Color
Hex	6B81C5
RGB	107, 129, 197
RGB Percent	42%, 51%, 77%
CMY	0.5804, 0.4941, 0.2274
CMYK	0.46, 0.35, 0.00, 0.23
HSL	225°, 44%, 60%
HSV	225°, 46%, 77%
XYZ	23.9917, 22.8575, 55.9708
YIQ	130.1740, -34.9400, 16.4840

Conversions

Conversions Part 2

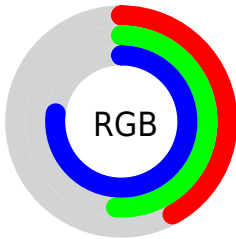
Format	Color
R_{YB}	107, 125, 197
Decimal	7045573
CIE _{Lab}	54.93, 10.28, -37.93
CIE _{LCh}	55, 39.297, 285.166
Yxy	22.8575, 0.2333, 0.2223
Android (android.graphics.Color)	4285235653 (0xFF6B81C5)
YUV	130.1740, 32.9452, -20.3236
Hunter-Lab	47.8095, 5.9079, -35.9444

Details

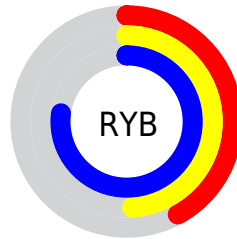
The XYZ color **23.9917, 22.8575, 55.9708** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **41.0108, 43.5931, 20.1639**, and the grayscale version is **21.1763, 22.2791, 24.2619**.

A 20% lighter version of the original color is **49.5176, 48.2930, 100.4776**, and **9.2428, 8.4506, 27.1306** is the 20% darker color. If you saturate the color by 10%, you get **20.0676, 18.1332, 55.2662**, and if you desaturate by 10%, it is **28.7426, 28.4328, 56.7970**.

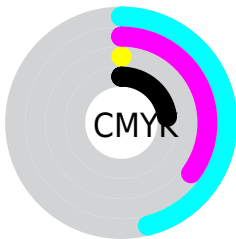
Distribution



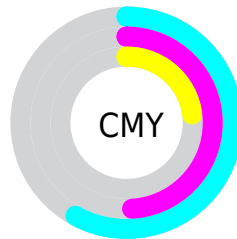
- Red (42%)
- Green (51%)
- Blue (77%)



- Red (42%)
- Yellow (49%)
- Blue (77%)



- Cyan (46%)
- Magenta (35%)
- Yellow (0%)
- Black (23%)



- Cyan (58%)
- Magenta (49%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9917, 22.8575, 55.9708 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 23.9917, 22.8575, 55.9708 by changing the saturation by 10% instead.

■ 23.9917, 22.8575,
55.9708

■ 23.9917, 22.8575,
55.9708

265.2198,
266.9922, 426.9667

■ 15.4522, 14.4883,
39.7757

■ 49.4714, 48.1592,
100.4473

■ 9.2257, 8.4611,
27.0512

■ 67.1423, 65.8606,
129.5657

■ 4.9470, 4.3914,
17.3789

■ 88.5877, 87.4414,
163.8289

■ 2.2506, 1.8948,
10.3402

■ 114.1730,
113.2862, 203.6555

■ 0.7692, 0.5453,
5.5166

144.2635,
143.7793, 249.4641

■ 0.0000, 0.0000,
2.4894

179.2245,

■ 0.0000, 0.0000,

179.3050, 301.6731

0.8345

219.4215,
220.2479, 360.7011

■ 0.0000, 0.0000,
0.0000

■ 23.9917, 22.8575,
55.9708

■ 23.9917, 22.8575,
55.9708

■ 20.0676, 18.1332,
55.2662

■ 28.7426, 28.4328,
56.7970

■ 16.9184, 14.2138,
54.6756

■ 34.3631, 34.8971,
57.7485

■ 14.4899, 11.0520,
54.1934

■ 40.8956, 42.2890,
58.8310

■ 12.7193, 8.5944,
53.8123

■ 48.3794, 50.6440,
60.0492

■ 11.5308, 6.7786,
53.5245

■ 56.8510, 59.9956,
61.4077

■ 11.1413, 6.1577,
53.4251

■ 66.3453, 70.3758,
62.9109

■ 76.8954, 81.8152,
64.5629

■ 84.9102, 92.4755,
66.1981

■ 87.0781, 96.8113,
66.9207

Harmonies

Analogous

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



19.6503, 22.8575, 56.0327



23.9917, 22.8575, 55.9708



28.2245, 22.8575, 45.9268

Triad

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



23.9917, 22.8575, 55.9708



28.1836, 22.8575, 11.4559



14.5914, 22.8575, 19.2368

Complementary

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



23.9917, 22.8575, 55.9708



41.0108, 43.5931, 20.1639

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.



16.3093, 22.8575, 11.5147



23.9917, 22.8575, 55.9708



23.9416, 22.8575, 8.1531

Square

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



23.9917, 22.8575, 55.9708



30.8560, 22.8575, 19.1237



19.6065, 22.8575, 8.1702



14.6011, 22.8575, 31.7076

Rectangle

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



23.9917, 22.8575, 55.9708



30.2499, 22.8575, 36.3860



19.6065, 22.8575, 8.1702



14.9747, 22.8575, 16.1099

Sweetspot

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



23.9925, 22.8583, 55.9714



75.1044, 77.8278, 105.6716



33.7193, 46.1345, 47.4289



15.4844, 15.9946, 22.5211



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.



23.9925, 22.8583, 55.9714



35.8398, 32.3527, 98.9635



24.4662, 19.2541, 55.2507



10.2638, 10.7016, 13.4421



7.3839, 4.1618, 35.1585



0.4086, 0.3150, 1.6844

Inverse Universe

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



32.2469, 23.9717, 23.6970



52.7696, 35.6355, 32.5439



40.1880, 50.0509, 21.4537



10.7384, 10.6787, 11.6057



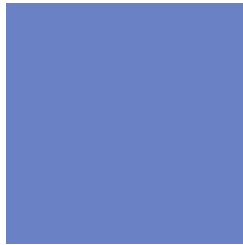
15.5264, 7.9601, 2.7159



0.7649, 0.3888, 0.2853

Previews

White Background



This preview shows how the XYZ color 23.9917, 22.8575, 55.9708 looks on a white background.

Color Contrast Check

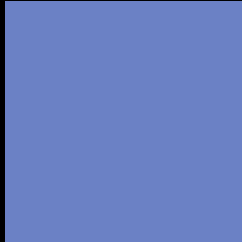
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9917, 22.8575, 55.9708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

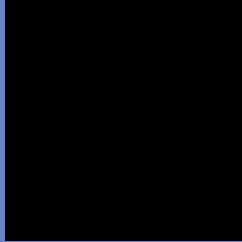
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9917, 22.8575, 55.9708

Background



This preview shows how black text looks on a background with the XYZ color 23.9917, 22.8575, 55.9708.



This preview shows how white text looks on a background with the XYZ color 23.9917, 22.8575,

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

23.9917, 22.8575, 55.9708

Protanopia

24.1126, 22.9199, 55.9764

Deuteranopia

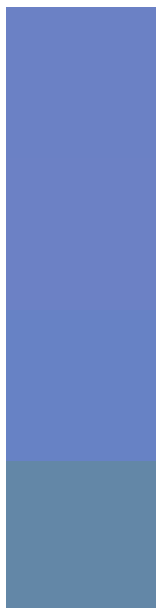
23.4275, 22.7632, 55.9823



Tritanopia

19.3537, 23.0469, 32.2826

Trichromacy



Original Color

23.9917, 22.8575, 55.9708

Protanomaly

24.1126, 22.9199, 55.9764

Deuteranomaly

23.6542, 22.8800, 55.9929

Tritanomaly

20.7846, 22.7706, 39.8589

Monochromacy



Original Color

23.9917, 22.8575, 55.9708

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.8414, 22.4359, 33.7513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9917, 22.8575, 55.9708 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(107, 129, 197)` looks like.

```
.text, #text, p{  
    color:rgb(107, 129, 197)  
}
```

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(107, 129, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 129, 197) }
```

Border

The CSS property to change the border of an element to XYZ 23.9917, 22.8575, 55.9708 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(107, 129, 197) }
```


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

```
.border{ border-color:rgb(107, 129, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 129, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 129, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 129, 197);  
box-shadow:4px 4px 4px 4px rgb(107, 129,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9917, 22.8575, 55.9708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 129, 197) }
```

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

```
.background{ background-color: rgb(107,  
129, 197) }
```

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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