

Converting Colors

XYZ(24.8254, 24.6756, 56.8761)

Have a look what the booklet for
XYZ(24.8254, 24.6756, 56.8761)
contains.

XYZ(24.8229, 24.6888, 56.8832)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.8229, 24.6888,
56.8832)**

Conversions

Conversions Part 1

Format	Color
Hex	6988C6
RGB	105, 136, 198
RGB Percent	41%, 53%, 78%
CMY	0.5882, 0.4667, 0.2235
CMYK	0.47, 0.31, 0.00, 0.22
HSL	220°, 45%, 59%
HSV	220°, 47%, 78%
XYZ	24.8229, 24.6888, 56.8832
YIQ	133.7990, -38.3780, 12.7100

Conversions

Conversions Part 2

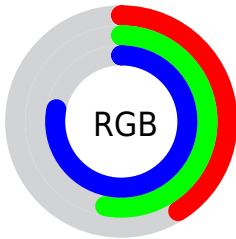
Format	Color
R _Y B	105, 128, 198
Decimal	6916294
CIE Lab	56.77, 5.93, -35.61
CIE LCh	57, 36.102, 279.459
Yxy	24.6888, 0.2333, 0.2320
Android (android.graphics.Color)	4285106374 (0xFF6988C6)
YUV	133.7990, 31.6511, -25.2567
Hunter-Lab	49.6878, 2.2208, -33.0944

Details

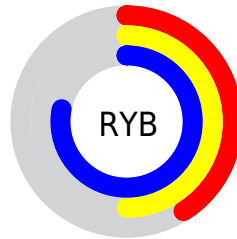
The XYZ color **24.8229, 24.6888, 56.8832** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **39.6581, 40.6643, 19.1245**, and the grayscale version is **22.4847, 23.6557, 25.7610**.

A 20% lighter version of the original color is **50.7448, 51.0888, 101.7943**, and **9.7089, 9.4830, 27.7042** is the 20% darker color. If you saturate the color by 10%, you get **21.0164, 20.1349, 56.2053**, and if you desaturate by 10%, it is **29.4015, 29.9815, 57.6639**.

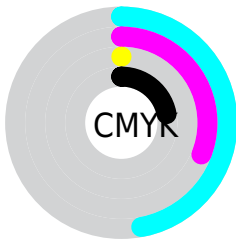
Distribution



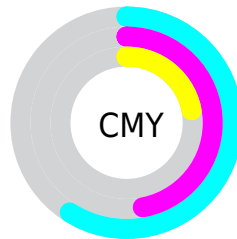
- Red (41%)
- Green (53%)
- Blue (78%)



- Red (41%)
- Yellow (50%)
- Blue (78%)



- Cyan (47%)
- Magenta (31%)
- Yellow (0%)
- Black (22%)



- Cyan (59%)
- Magenta (47%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8229, 24.6888, 56.8832 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 24.8229, 24.6888, 56.8832 by changing the saturation by 10% instead.

■ 24.8229, 24.6888,
56.8832

■ 24.8229, 24.6888,
56.8832

269.3188,
276.2846, 430.4930

■ 16.0732, 15.8454,
40.5027

■ 50.8147, 51.1519,
101.7934

■ 9.6671, 9.4148,
27.6140

■ 68.7876, 69.5404,
131.1602

■ 5.2394, 5.0127,
17.7984

■ 90.5655, 91.8793,
165.6928

■ 2.4246, 2.2547,
10.6374

■ 116.5138,
118.5531, 205.8099

■ 0.8574, 0.7496,
5.7125

146.9980,
149.9461, 251.9299

■ 0.0000, 0.0000,
2.6051

182.3833,

■ 0.0000, 0.0000,

186.4427, 304.4714

0.8951

223.0351,
228.4274, 363.8529

■ 0.0000, 0.0000,
0.0000

■ 24.8229, 24.6888,
56.8832

■ 24.8229, 24.6888,
56.8832

■ 21.0164, 20.1349,
56.2053

■ 29.4015, 29.9815,
57.6639

■ 17.9330, 16.2810,
55.6239

■ 34.7919, 36.0439,
58.5500

■ 15.5217, 13.0881,
55.1347

■ 41.0341, 42.9080,
59.5459

■ 13.7228, 10.5117,
54.7322

■ 48.1646, 50.6034,
60.6555

■ 12.4585, 8.4964,
54.4099

■ 56.2175, 59.1579,
61.8822

■ 12.1413, 7.9735,
54.3257

■ 65.2254, 68.5980,
63.2295

■ 75.2189, 78.9489,
64.7008

■ 83.0675, 88.6060,
66.1511

■ 87.1307, 96.7324,
67.5055

Harmonies

Analogous

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



20.7362, 24.6888, 54.9928



24.8229, 24.6888, 56.8832



29.0012, 24.6888, 49.0733

Triad

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



24.8229, 24.6888, 56.8832



30.2942, 24.6888, 14.6668



16.6669, 24.6888, 19.5341

Complementary

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



24.8229, 24.6888, 56.8832



39.6581, 40.6643, 19.1245

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.



18.6840, 24.6888, 12.6511



24.8229, 24.6888, 56.8832



26.4254, 24.6888, 10.4812

Square

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



24.8229, 24.6888, 56.8832



32.4002, 24.6888, 23.2458



22.1594, 24.6888, 9.8743



16.3466, 24.6888, 30.8787

Rectangle

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



24.8229, 24.6888, 56.8832



31.1591, 24.6888, 40.4820



22.1594, 24.6888, 9.8743



17.1564, 24.6888, 16.7302

Sweetspot

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



24.8238, 24.6897, 56.8838



75.9856, 79.5903, 105.9653



32.9957, 46.1821, 43.7351



15.6972, 16.4202, 22.5920



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.



24.8238, 24.6897, 56.8838



37.2935, 35.7498, 99.5426



23.0609, 18.2104, 55.7261



10.3407, 10.8555, 13.4678



7.9666, 5.3271, 35.3527



0.4441, 0.3861, 1.6963

Inverse Universe

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



32.7850, 23.8875, 26.1762



53.3838, 35.4236, 37.1893



42.1543, 51.4148, 21.0680



10.7773, 10.6943, 11.8103



15.8205, 8.0778, 4.2646



0.7829, 0.3960, 0.3798

Previews

White Background



This preview shows how the XYZ color 24.8229, 24.6888, 56.8832 looks on a white background.

Color Contrast Check

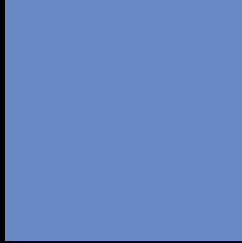
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8229, 24.6888, 56.8832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

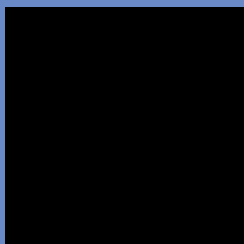
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

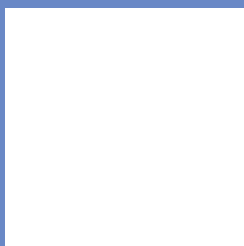
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8229, 24.6888, 56.8832

Background



This preview shows how black text looks on a background with the XYZ color 24.8229, 24.6888, 56.8832.

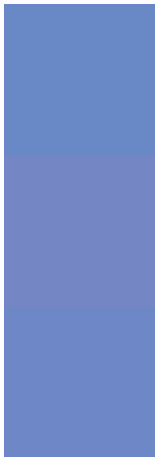


This preview shows how white text looks on a background with the XYZ color 24.8229, 24.6888,

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

24.8229, 24.6888, 56.8832

Protanopia

25.6914, 24.7487, 55.6475

Deuteranopia

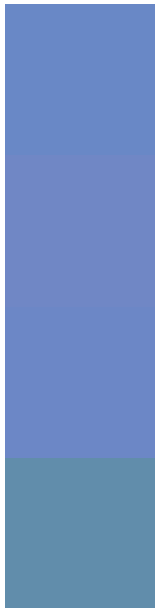
25.2874, 24.7202, 56.8648



Tritanopia

20.3876, 24.6221, 35.1305

Trichromacy



Original Color

24.8229, 24.6888, 56.8832

Protanomaly

25.4241, 24.8039, 56.2710

Deuteranomaly

25.0414, 24.5933, 56.8532

Tritanomaly

21.8053, 24.5314, 42.1139

Monochromacy



Original Color

24.8229, 24.6888, 56.8832

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.9182, 23.9732, 35.3177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8229, 24.6888, 56.8832 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(105, 136, 198)` looks like.

```
.text, #text, p{  
    color:rgb(105, 136, 198)  
}
```

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(105, 136, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 136, 198) }
```

Border

The CSS property to change the border of an element to XYZ 24.8229, 24.6888, 56.8832 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(105, 136, 198) }
```


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

```
.border{ border-color:rgb(105, 136, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 136, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 136, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 136, 198);  
box-shadow:4px 4px 4px 4px rgb(105, 136,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8229, 24.6888, 56.8832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 136, 198) }
```

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

```
.background{ background-color: rgb(105,  
136, 198) }
```

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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