

Converting Colors

XYZ(24.4767, 24.5103, 56.8670)

Have a look what the booklet for
XYZ(24.4767, 24.5103, 56.8670)
contains.

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Color

**XYZ(24.4767, 24.5103,
56.8670)**

Conversions

Conversions Part 1

Format	Color
Hex	6688C6
RGB	102, 136, 198
RGB Percent	40%, 53%, 78%
CMY	0.6000, 0.4667, 0.2235
CMYK	0.48, 0.31, 0.00, 0.22
HSL	219°, 46%, 59%
HSV	219°, 48%, 78%
XYZ	24.4767, 24.5103, 56.8670
YIQ	132.9020, -40.1660, 12.0740

Conversions

Conversions Part 2

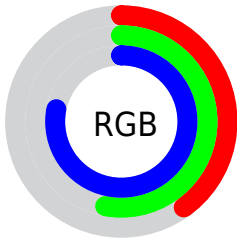
Format	Color
R_{YB}	102, 127, 198
Decimal	6719686
CIE Lab	56.60, 5.20, -35.90
CIE LCh	57, 36.274, 278.239
Yxy	24.5103, 0.2312, 0.2315
Android (android.graphics.Color)	4284909766 (0xFF6688C6)
YUV	132.9020, 32.0933, -27.1011
Hunter-Lab	49.5079, 1.6116, -33.4477

Details

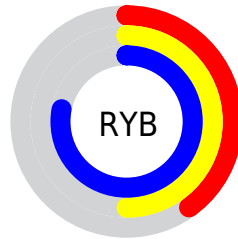
The XYZ color **24.4767, 24.5103, 56.8670** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **38.9635, 39.5174, 18.1456**, and the grayscale version is **22.1569, 23.3108, 25.3855**.

A 20% lighter version of the original color is **50.1522, 50.7833, 101.7666**, and **9.5244, 9.3879, 27.6956** is the 20% darker color. If you saturate the color by 10%, you get **20.8002, 20.0994, 56.2099**, and if you desaturate by 10%, it is **28.9058, 29.6290, 57.6220**.

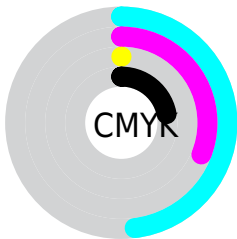
Distribution



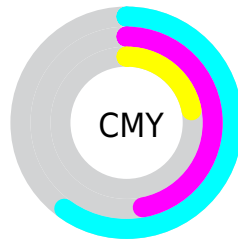
- Red (40%)
- Green (53%)
- Blue (78%)



- Red (40%)
- Yellow (50%)
- Blue (78%)



- Cyan (48%)
- Magenta (31%)
- Yellow (0%)
- Black (22%)



- Cyan (60%)
- Magenta (47%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4767, 24.5103, 56.8670 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 24.4767, 24.5103, 56.8670 by changing the saturation by 10% instead.

■ 24.4767, 24.5103,
56.8670

■ 24.4767, 24.5103,
56.8670

267.6177,
275.3903, 430.4305

■ 15.8143, 15.7126,
40.4898

■ 50.2560, 50.8617,
101.7695

■ 9.4828, 9.3210,
27.6040

■ 68.1036, 69.1841,
131.1319

■ 5.1170, 4.9512,
17.7909

■ 89.7437, 91.4503,
165.6598

■ 2.3516, 2.2186,
10.6321

■ 115.5415,
118.0445, 205.7717

■ 0.8209, 0.7301,
5.7090

145.8624,
149.3512, 251.8862

■ 0.0000, 0.0000,
2.6030

181.0719,

■ 0.0000, 0.0000,

185.7549, 304.4218

0.8940

221.5352,
227.6398, 363.7971

■ 0.0000, 0.0000,
0.0000

■ 24.4767, 24.5103,
56.8670

■ 24.4767, 24.5103,
56.8670

■ 20.8002, 20.0994,
56.2099

■ 28.9058, 29.6290,
57.6220

■ 17.8272, 16.3586,
55.6445

■ 34.1268, 35.4852,
58.4772

■ 15.5068, 13.2502,
55.1668

■ 40.1795, 42.1099,
59.4369

■ 13.7788, 10.7306,
54.7716

■ 47.1001, 49.5315,
60.5047

■ 12.5522, 8.7395,
54.4519

■ 54.9225, 57.7767,
61.6839

■ 12.3910, 8.4730,
54.4089

■ 63.6787, 66.8710,
62.9777

■ 73.3992, 76.8388,
64.3894

■ 82.0964, 86.6637,
65.8274

■ 85.9591, 94.3892,
67.1150

Harmonies

Analogous

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



20.4199, 24.5103, 54.5575



24.4767, 24.5103, 56.8670



28.6792, 24.5103, 49.3751

Triad

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



24.4767, 24.5103, 56.8670



30.2567, 24.5103, 14.7483



16.5529, 24.5103, 18.9765

Complementary

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



24.4767, 24.5103, 56.8670



38.9635, 39.5174, 18.1456

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.



18.6330, 24.5103, 12.2968



24.4767, 24.5103, 56.8670



26.4309, 24.5103, 10.4179

Square

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



24.4767, 24.5103, 56.8670



32.2696, 24.5103, 23.4987



22.1545, 24.5103, 9.6808



16.1629, 24.5103, 30.1526

Rectangle

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



24.4767, 24.5103, 56.8670



30.8861, 24.5103, 40.8589



22.1545, 24.5103, 9.6808



17.0644, 24.5103, 16.2425

Sweetspot

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



24.4776, 24.5112, 56.8676



74.9704, 78.6922, 105.8455



32.2674, 45.8508, 41.7069



15.5057, 16.2600, 22.5712



0.0000, 0.0000, 0.0000



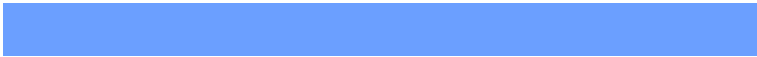
20.3446, 21.4041, 23.3091

Same Dimension

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



24.4776, 24.5112, 56.8676



36.6062, 35.3135, 99.4946



21.9894, 17.2125, 55.5899



10.3589, 10.8919, 13.4739



8.1317, 5.6573, 35.4077



0.4533, 0.4044, 1.6993

Inverse Universe

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



32.4848, 23.2871, 26.0760



52.8078, 34.3161, 36.8598



42.6490, 51.6873, 20.3004



10.7864, 10.6980, 11.8586



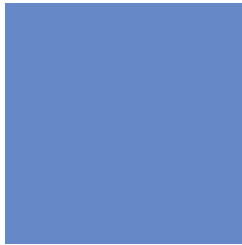
15.9038, 8.1111, 4.7035



0.7875, 0.3978, 0.4041

Previews

White Background



This preview shows how the XYZ color 24.4767, 24.5103, 56.8670 looks on a white background.

Color Contrast Check

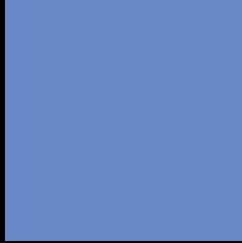
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4767, 24.5103, 56.8670 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 24.4767, 24.5103, 56.8670

Background



This preview shows how black text looks on a background with the XYZ color 24.4767, 24.5103, 56.8670.

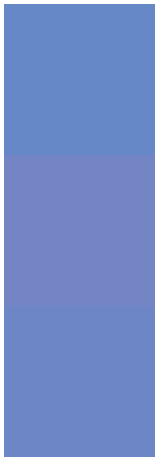


This preview shows how white text looks on a background with the XYZ color 24.4767, 24.5103,

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

24.4767, 24.5103, 56.8670

Protanopia

25.4216, 24.4054, 55.5954

Deuteranopia

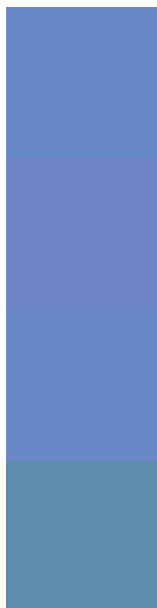
25.0248, 24.3786, 56.8127



Tritanopia

20.0938, 24.4707, 35.1167

Trichromacy



Original Color

24.4767, 24.5103, 56.8670

Protanomaly

25.0335, 24.3964, 56.2129

Deuteranomaly

24.8009, 24.4693, 56.8420

Tritanomaly

21.4917, 24.3697, 42.0992

Monochromacy



Original Color

24.4767, 24.5103, 56.8670

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.6369, 23.6221, 35.2647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4767, 24.5103, 56.8670 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(102, 136, 198)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 136, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 136, 198) }
```

Border

The CSS property to change the border of an element to XYZ 24.4767, 24.5103, 56.8670 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(102, 136, 198) }
```


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

```
.border{ border-color:rgb(102, 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(102, 136, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 136, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 136, 198);  
box-shadow:4px 4px 4px 4px rgb(102, 136,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4767, 24.5103, 56.8670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 136, 198) }
```

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

```
.background{ background-color: rgb(102,  
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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