

Converting Colors

XYZ(24.6080, 24.9227, 46.8651)

Have a look what the booklet for
XYZ(24.6080, 24.9227, 46.8651)
contains.

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Color

**XYZ(24.6551, 25.0382,
46.7134)**

Conversions

Conversions Part 1

Format	Color
Hex	7689B4
RGB	118, 137, 180
RGB Percent	46%, 54%, 71%
CMY	0.5372, 0.4627, 0.2941
CMYK	0.34, 0.24, 0.00, 0.29
HSL	222°, 29%, 58%
HSV	222°, 34%, 71%
XYZ	24.6551, 25.0382, 46.7134
YIQ	136.2210, -25.1270, 9.3450

Conversions

Conversions Part 2

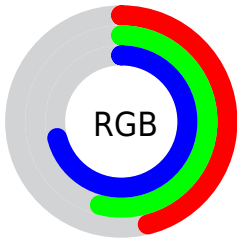
Format	Color
R_{YB}	118, 133, 180
Decimal	7768500
CIE _{Lab}	57.11, 3.74, -24.79
CIE _{LCh}	57, 25.067, 278.577
Yxy	25.0382, 0.2557, 0.2597
Android (android.graphics.Color)	4285958580 (0xFF7689B4)
YUV	136.2210, 21.5830, -15.9798
Hunter-Lab	50.0382, 0.3847, -20.3237

Details

The XYZ color **24.6551, 25.0382, 46.7134** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **34.8377, 36.5014, 22.3497**, and the grayscale version is **23.4136, 24.6329, 26.8253**.

A 20% lighter version of the original color is **50.5670, 51.6537, 86.6619**, and **9.5537, 9.5420, 21.4169** is the 20% darker color. If you saturate the color by 10%, you get **20.7670, 20.5505, 46.0526**, and if you desaturate by 10%, it is **29.2167, 30.1790, 47.4657**.

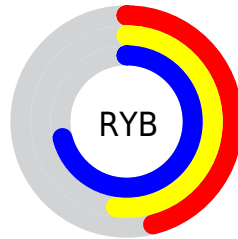
Distribution



Red (46%)

Green (54%)

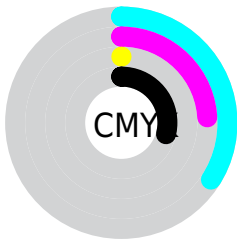
Blue (71%)



Red (46%)

Yellow (52%)

Blue (71%)

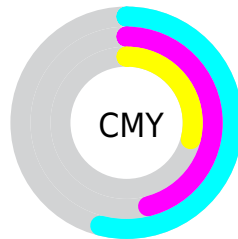


Cyan (34%)

Magenta (24%)

Yellow (0%)

Black (29%)



Cyan (54%)

Magenta (46%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6551, 25.0382, 46.7134 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 24.6551, 25.0382, 46.7134 by changing the saturation by 10% instead.

■ 24.6551, 25.0382,
46.7134

■ 24.6551, 25.0382,
46.7134

268.4954,
278.0281, 390.0300

■ 15.9476, 16.1055,
32.4564

■ 50.5441, 51.7192,
86.6312

■ 9.5777, 9.5989,
21.4427

■ 68.4563, 70.2363,
113.1290

■ 5.1800, 5.1338,
13.2536

■ 90.1675, 92.7170,
144.5443

■ 2.3891, 2.3260,
7.4706

116.0430,
119.5456, 181.2954

■ 0.8397, 0.7874,
3.6752

146.4482,
151.1067, 223.8010

■ 0.0000, 0.0000,
1.4489

181.7484,

■ 0.0000, 0.0000,

187.7845, 272.4796

0.1794

222.3090,
229.9636, 327.7498

■ 0.0000, 0.0000,
0.0000

■ 24.6551, 25.0382,
46.7134

■ 24.6551, 25.0382,
46.7134

■ 20.7670, 20.5505,
46.0526

■ 29.2167, 30.1790,
47.4657

■ 17.5163, 16.6854,
45.4778

■ 34.4803, 35.9958,
48.3110

■ 14.8671, 13.4140,
44.9860

■ 40.4761, 42.5141,
49.2532

■ 12.7788, 10.7036,
44.5729

■ 47.2314, 49.7571,
50.2952

■ 11.2052, 8.5182,
44.2340

■ 54.7721, 57.7467,
51.4399

■ 10.0916, 6.8160,
43.9642

■ 63.1231, 66.5041,
52.6901

■ 9.6123, 6.0433,
43.8403

■ 72.3079, 76.0496,
54.0484

■ 79.7256, 85.0499,
55.3947

■ 83.4642, 92.5272,
56.6409

Harmonies

Analogous

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



21.7836, 25.0382, 45.3779



24.6551, 25.0382, 46.7134



27.5177, 25.0382, 42.0556

Triad

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



24.6551, 25.0382, 46.7134



28.5193, 25.0382, 18.3264



18.8934, 25.0382, 21.7431

Complementary

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



24.6551, 25.0382, 46.7134



34.8377, 36.5014, 22.3497

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.



20.4297, 25.0382, 16.4221



24.6551, 25.0382, 46.7134



25.9330, 25.0382, 14.7521

Square

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



24.6551, 25.0382, 46.7134



29.8665, 25.0382, 24.9080



22.9611, 25.0382, 14.1355



18.6129, 25.0382, 29.7606

Rectangle

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



24.6551, 25.0382, 46.7134



28.9804, 25.0382, 36.6507



22.9611, 25.0382, 14.1355



19.2736, 25.0382, 19.6320

Sweetspot

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



24.6559, 25.0392, 46.7140



66.9987, 70.1586, 88.3054



30.1704, 39.0455, 39.3732



14.1617, 14.8161, 19.0356



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.6559, 25.0392, 46.7140



39.4701, 39.3789, 83.8152



23.8265, 20.9489, 45.9682



8.2473, 8.6409, 10.7395



6.7618, 4.3241, 30.6152



0.2657, 0.2420, 0.9809

Inverse Universe

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



29.8169, 24.4671, 26.8191



50.3348, 38.7132, 41.8123



35.8755, 42.3456, 23.4230



8.6000, 8.5467, 9.3922



13.6477, 6.9766, 3.3049



0.4562, 0.2302, 0.2448

Previews

White Background



This preview shows how the XYZ color 24.6551, 25.0382, 46.7134 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 24.6551, 25.0382, 46.7134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

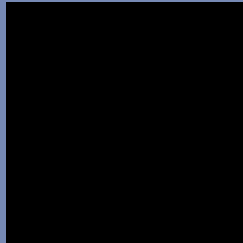
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

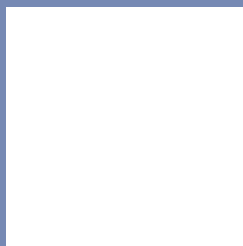
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.6551, 25.0382, 46.7134

Background



This preview shows how black text looks on a background with the XYZ color 24.6551, 25.0382, 46.7134.



This preview shows how white text looks on a background with the XYZ color 24.6551, 25.0382,

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

24.6551, 25.0382, 46.7134

Protanopia

25.2581, 24.9426, 46.1310

Deuteranopia

25.6086, 25.0998, 47.2111



Tritanopia

22.1049, 25.0907, 33.8149

Trichromacy



Original Color

24.6551, 25.0382, 46.7134

Protanomaly

24.9669, 25.0006, 46.1575

Deuteranomaly

25.3130, 25.1555, 47.2374

Tritanomaly

22.9284, 24.9779, 38.2631

Monochromacy



Original Color

24.6551, 25.0382, 46.7134

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.5249, 24.5424, 33.2030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6551, 25.0382, 46.7134 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(118, 137, 180)` looks like.

```
.text, #text, p{  
    color:rgb(118, 137, 180)  
}
```

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(118, 137, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 137, 180) }
```

Border

The CSS property to change the border of an element to XYZ 24.6551, 25.0382, 46.7134 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(118, 137, 180) }
```


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

```
.border{ border-color:rgb(118, 137, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 137, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 137, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 137, 180);  
box-shadow:4px 4px 4px 4px rgb(118, 137,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6551, 25.0382, 46.7134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 137, 180) }
```

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

```
.background{ background-color: rgb(118,  
137, 180) }
```

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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