

Converting Colors

XYZ(25.5157, 24.8575, 46.6332)

Have a look what the booklet for
XYZ(25.5157, 24.8575, 46.6332)
contains.

| | |
|------------------------------------------------|----|
| XYZ(25.5157, 24.8575, 46.6332) | 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(25.5157, 24.8575,
46.6332)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 7F86B4 |
| RGB | 127, 134, 180 |
| RGB Percent | 50%, 53%, 71% |
| CMY | 0.5020, 0.4745, 0.2941 |
| CMYK | 0.29, 0.26, 0.00, 0.29 |
| HSL | 232°, 26%, 60% |
| HSV | 232°, 29%, 71% |
| XYZ | 25.5157, 24.8575, 46.6332 |
| YIQ | 137.1510, -18.9380, 12.8220 |

Conversions

Conversions Part 2

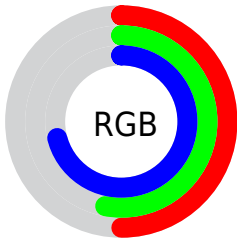
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 127, 133, 180 |
| Decimal | 8357556 |
| CIE Lab | 56.94, 8.17, -25.00 |
| CIE LCh | 57, 26.304, 288.087 |
| Yxy | 24.8575, 0.2630, 0.2562 |
| Android (android.graphics.Color) | 4286547636 (0xFF7F86B4) |
| YUV | 137.1510, 21.1246, -8.9024 |
| Hunter-Lab | 49.8573, 4.1015, -20.5558 |

Details

The XYZ color **25.5157, 24.8575, 46.6332** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **37.5972, 41.1231, 26.0354**, and the grayscale version is **23.7633, 25.0009, 27.2260**.

A 20% lighter version of the original color is **51.9667, 51.4205, 86.5431**, and **10.0598, 9.5658, 21.3949** is the 20% darker color. If you saturate the color by 10%, you get **21.0686, 19.5933, 45.8519**, and if you desaturate by 10%, it is **30.7624, 31.0086, 47.5444**.

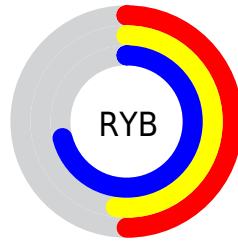
Distribution



Red (50%)

Green (53%)

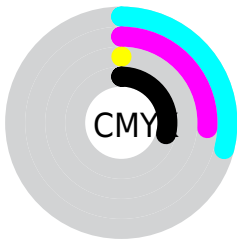
Blue (71%)



Red (50%)

Yellow (52%)

Blue (71%)

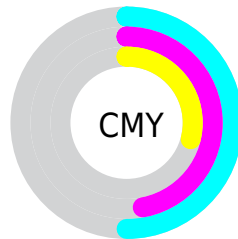


Cyan (29%)

Magenta (26%)

Yellow (0%)

Black (29%)



Cyan (50%)

Magenta (47%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5157, 24.8575, 46.6332 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 25.5157, 24.8575, 46.6332 by changing the saturation by 10% instead.

■ 25.5157, 24.8575,
46.6332

■ 25.5157, 24.8575,
46.6332

272.6970,
277.1275, 389.6998

■ 16.5925, 15.9709,
32.3935

■ 51.9295, 51.4260,
86.5101

■ 10.0379, 9.5036,
21.3949

■ 70.1508, 69.8766,
112.9844

■ 5.4865, 5.0711,
13.2189

■ 92.2021, 92.2841,
144.3739

■ 2.5731, 2.2890,
7.4470

118.4488,
119.0328, 181.0973

■ 0.9323, 0.7679,
3.6605

149.2564,
150.5071, 223.5730

■ 0.0000, 0.0000,
1.4410

184.9900,

■ 0.0000, 0.0000,

187.0914, 272.2197

0.1734

226.0151,
229.1701, 327.4557

■ 0.0000, 0.0000,
0.0000

■ 25.5157, 24.8575,
46.6332

■ 25.5157, 24.8575,
46.6332

■ 21.0686, 19.5933,
45.8519

■ 30.7624, 31.0086,
47.5444

■ 17.3791, 15.1719,
45.1930

■ 36.8429, 38.0818,
48.5892

■ 14.4053, 11.5502,
44.6506

■ 43.7925, 46.1144,
49.7733

■ 12.0999, 8.6796,
44.2181

■ 51.6435, 55.1403,
51.1017

■ 10.4102, 6.5064,
43.8877

■ 60.4267, 65.1921,
52.5790

■ 9.2747, 4.9695,
43.6508

■ 70.1715, 76.3006,
54.2095

■ 8.5909, 3.9820,
43.4963

■ 80.9059, 88.4956,
55.9976

■ 8.5603, 3.9394,
43.4897

■ 85.2383, 96.0753,
57.2323

Harmonies

Analogous

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



22.4232, 24.8575, 47.3170



25.5157, 24.8575, 46.6332



28.3199, 24.8575, 40.0699

Triad

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



25.5157, 24.8575, 46.6332



27.8133, 24.8575, 16.2920



18.2858, 24.8575, 23.7089

Complementary

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



25.5157, 24.8575, 46.6332



37.5972, 41.1231, 26.0354

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.



19.4823, 24.8575, 17.2317



25.5157, 24.8575, 46.6332



24.8717, 24.8575, 13.6165

Square

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



25.5157, 24.8575, 46.6332



29.7238, 24.8575, 22.1277



21.8326, 24.8575, 13.9182



18.4255, 24.8575, 32.6883

Rectangle

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



25.5157, 24.8575, 46.6332



29.5663, 24.8575, 33.9116



21.8326, 24.8575, 13.9182



18.5405, 24.8575, 21.2092

Sweetspot

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



25.5165, 24.8585, 46.6338



67.1458, 69.4467, 88.1602



32.6107, 40.1697, 45.5366



14.1482, 14.5873, 18.9922



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.



25.5165, 24.8585, 46.6338



41.1353, 39.0116, 83.6565



27.7595, 24.6256, 46.4706



8.1295, 8.4052, 10.7002



6.0036, 2.8076, 30.3625



0.2175, 0.1455, 0.9649

Inverse Universe

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



30.7155, 26.6041, 26.0715



52.0779, 42.8664, 40.3375



34.7634, 41.7075, 26.2976



8.5405, 8.5229, 9.0790



13.2650, 6.8236, 1.2896



0.4318, 0.2205, 0.1165

Previews

White Background



This preview shows how the XYZ color 25.5157, 24.8575, 46.6332 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 25.5157, 24.8575, 46.6332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

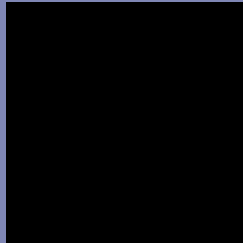
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.5157, 24.8575, 46.6332

Background



This preview shows how black text looks on a background with the XYZ color 25.5157, 24.8575, 46.6332.



This preview shows how white text looks on a background with the XYZ color 25.5157, 24.8575,

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

25.5157, 24.8575, 46.6332

Protanopia

25.3166, 24.9492, 47.1974

Deuteranopia

25.3675, 24.7811, 46.6262



Tritanopia

22.7037, 24.7646, 32.8616

Trichromacy



Original Color

25.5157, 24.8575, 46.6332

Protanomaly

25.4619, 25.0241, 47.2042

Deuteranomaly

25.3675, 24.7811, 46.6262

Tritanomaly

23.6356, 24.7109, 37.7064

Monochromacy



Original Color

25.5157, 24.8575, 46.6332

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.2268, 24.8948, 33.6653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5157, 24.8575, 46.6332 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(127, 134, 180)` looks like.

```
.text, #text, p{  
    color:rgb(127, 134, 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(127, 134, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 134, 180) }
```

Border

The CSS property to change the border of an element to XYZ 25.5157, 24.8575, 46.6332 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(127, 134, 180) }
```


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

```
.border{ border-color:rgb(127, 134, 180) }
```

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

Here you see how a box with a 4 pixel rgb(127, 134, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 134, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 134, 180);  
box-shadow:4px 4px 4px 4px rgb(127, 134,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5157, 24.8575, 46.6332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 134, 180) }
```

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

```
.background{ background-color: rgb(127,  
134, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor