

Converting Colors

XYZ(25.8581, 25.7425, 46.5985)

Have a look what the booklet for
XYZ(25.8581, 25.7425, 46.5985)
contains.

XYZ(25.7881, 25.6222, 46.7664)	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(25.7881, 25.6222,
46.7664)**

Conversions

Conversions Part 1

Format	Color
Hex	7E89B4
RGB	126, 137, 180
RGB Percent	49%, 54%, 71%
CMY	0.5059, 0.4627, 0.2941
CMYK	0.30, 0.24, 0.00, 0.29
HSL	228°, 26%, 60%
HSV	228°, 30%, 71%
XYZ	25.7881, 25.6222, 46.7664
YIQ	138.6130, -20.3590, 11.0410

Conversions

Conversions Part 2

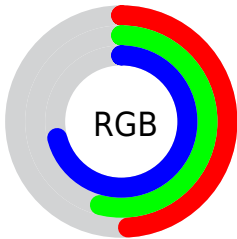
Format	Color
R_{YB}	126, 135, 180
Decimal	8292788
CIE _{Lab}	57.68, 6.12, -23.87
CIE _{LCh}	58, 24.643, 284.377
Yxy	25.6222, 0.2627, 0.2610
Android (android.graphics.Color)	4286482868 (0xFF7E89B4)
YUV	138.6130, 20.4038, -11.0616
Hunter-Lab	50.6184, 2.3567, -19.3453

Details

The XYZ color **25.7881, 25.6222, 46.7664** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **36.7769, 39.5862, 25.4422**, and the grayscale version is **24.3224, 25.5891, 27.8665**.

A 20% lighter version of the original color is **52.3762, 52.5863, 86.7465**, and **10.1406, 9.8446, 21.4444** is the 20% darker color. If you saturate the color by 10%, you get **21.4650, 20.5676, 46.0191**, and if you desaturate by 10%, it is **30.8612, 31.4664, 47.6275**.

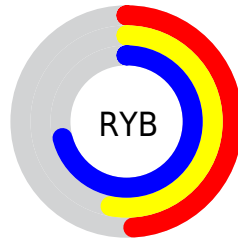
Distribution



Red (49%)

Green (54%)

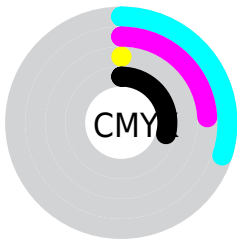
Blue (71%)



Red (49%)

Yellow (53%)

Blue (71%)

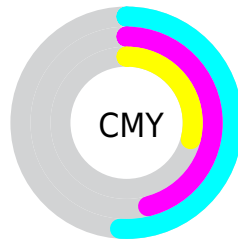


Cyan (30%)

Magenta (24%)

Yellow (0%)

Black (29%)



Cyan (51%)

Magenta (46%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7881, 25.6222, 46.7664 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 25.7881, 25.6222, 46.7664 by changing the saturation by 10% instead.

■ 25.7881, 25.6222,
46.7664

■ 25.7881, 25.6222,
46.7664

274.0161,
280.9225, 390.2481

■ 16.7970, 16.5412,
32.4980

■ 52.3666, 52.6648,
86.7112

■ 10.1843, 9.9079,
21.4742

■ 70.6848, 71.3953,
113.2246

■ 5.5845, 5.3380,
13.2765

■ 92.8428, 94.1110,
144.6568

■ 2.6324, 2.4469,
7.4862

119.2058,
121.1964, 181.4263

■ 0.9625, 0.8499,
3.6850

150.1393,
153.0358, 223.9516

■ 0.0000, 0.0000,
1.4542

186.0086,

■ 0.0000, 0.0000,

190.0137, 272.6513

0.1834

227.1791,
232.5145, 327.9440

■ 0.0000, 0.0000,
0.0000

■ 25.7881, 25.6222,
46.7664

■ 25.7881, 25.6222,
46.7664

■ 21.4650, 20.5676,
46.0191

■ 30.8612, 31.4664,
47.6275

■ 17.8531, 16.2652,
45.3790

■ 36.7154, 38.1294,
48.6050

■ 14.9139, 12.6790,
44.8417

■ 43.3832, 45.6426,
49.7038

■ 12.6042, 9.7686,
44.4017

■ 50.8945, 54.0349,
50.9278

■ 10.8756, 7.4897,
44.0529

■ 59.2776, 63.3337,
52.2808

■ 9.6717, 5.7918,
43.7886

■ 68.5596, 73.5652,
53.7665

■ 8.8896, 4.5980,
43.5994

■ 78.7661, 84.7547,
55.3883

■ 8.8896, 4.5978,
43.5994

■ 84.1850, 93.9688,
56.8812

■ 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.



22.8581, 25.6222, 46.6376



25.7881, 25.6222, 46.7664



28.5371, 25.6222, 41.1864

Triad

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



25.7881, 25.6222, 46.7664



28.6341, 25.6222, 18.0140



19.2913, 25.6222, 23.7502

Complementary

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



25.7881, 25.6222, 46.7664



36.7769, 39.5862, 25.4422

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.



20.5995, 25.6222, 17.8282



25.7881, 25.6222, 46.7664



25.9120, 25.6222, 15.0013

Square

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



25.7881, 25.6222, 46.7664



30.2679, 25.6222, 24.0578



22.9724, 25.6222, 14.9410



19.2640, 25.6222, 32.1270

Rectangle

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



25.7881, 25.6222, 46.7664



29.8308, 25.6222, 35.5249



22.9724, 25.6222, 14.9410



19.5908, 25.6222, 21.4495

Sweetspot

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



25.7889, 25.6232, 46.7670



67.5356, 70.2264, 88.2901



32.0220, 39.9171, 43.2101



14.2440, 14.7790, 19.0241



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.



25.7889, 25.6232, 46.7670



41.4244, 40.2379, 83.8780



26.7355, 23.9070, 46.3858



8.1776, 8.5013, 10.7162



6.2441, 3.2886, 30.4427



0.2373, 0.1851, 0.9715

Inverse Universe

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



30.7993, 26.4321, 27.1465



52.0656, 42.2557, 42.1402



35.5425, 42.1166, 25.9957



8.5648, 8.5326, 9.2068



13.3864, 6.8721, 1.9288



0.4418, 0.2245, 0.1692

Previews

White Background



This preview shows how the XYZ color 25.7881, 25.6222, 46.7664 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 25.7881, 25.6222, 46.7664 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

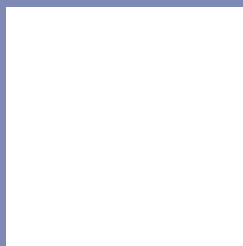
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.7881, 25.6222, 46.7664

Background



This preview shows how black text looks on a background with the XYZ color 25.7881, 25.6222, 46.7664.



This preview shows how white text looks on a background with the XYZ color 25.7881, 25.6222,

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

25.7881, 25.6222, 46.7664

Protanopia

25.9363, 25.6986, 46.7734

Deuteranopia

26.0956, 25.5707, 46.7403



Tritanopia

23.1685, 25.6390, 33.8647

Trichromacy



Original Color

25.7881, 25.6222, 46.7664

Protanomaly

25.9363, 25.6986, 46.7734

Deuteranomaly

25.9445, 25.4928, 46.7332

Tritanomaly

24.0150, 25.5381, 38.3139

Monochromacy



Original Color

25.7881, 25.6222, 46.7664

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.7527, 25.5784, 34.2044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7881, 25.6222, 46.7664 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(126, 137, 180)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 137, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 137, 180) }
```

Border

The CSS property to change the border of an element to XYZ 25.7881, 25.6222, 46.7664 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(126, 137, 180) }
```


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

```
.border{ border-color:rgb(126, 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(126, 137, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 137, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 137, 180);  
box-shadow:4px 4px 4px 4px rgb(126, 137,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7881, 25.6222, 46.7664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 137, 180) }
```

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

```
.background{ background-color: rgb(126,  
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](#).

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