

# Converting Colors

XYZ(22.6949, 25.5971, 50.3403)

Have a look what the booklet for  
XYZ(22.6949, 25.5971, 50.3403)  
contains.

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# Color

**XYZ(22.7346, 25.7273,  
50.2220)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5591BA
RGB	85, 145, 186
RGB Percent	33%, 57%, 73%
CMY	0.6667, 0.4314, 0.2706
CMYK	0.54, 0.22, 0.00, 0.27
HSL	204°, 42%, 53%
HSV	204°, 54%, 73%
XYZ	22.7346, 25.7273, 50.2220
YIQ	131.7340, -48.9210, 0.0310

# Conversions

## Conversions Part 2

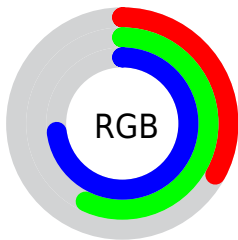
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	85, 123, 186
Decimal	5607866
CIE Lab	57.78, -7.63, -27.33
CIE LCh	58, 28.372, 254.397
Yxy	25.7273, 0.2304, 0.2607
Android (android.graphics.Color)	4283797946 (0xFF5591BA)
YUV	131.7340, 26.7531, -40.9857
Hunter-Lab	50.7221, -8.7566, -23.2000

# Details

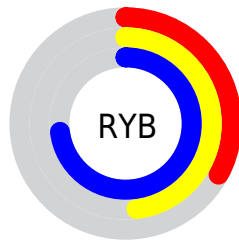
The XYZ color **22.7346, 25.7273, 50.2220** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.3509, 26.0175, 12.0701**, and the grayscale version is **21.7566, 22.8897, 24.9268**.

A 20% lighter version of the original color is **47.4349, 52.9204, 91.7190**, and **8.6143, 10.0266, 23.6716** is the 20% darker color. If you saturate the color by 10%, you get **20.1471, 22.7376, 49.7818**, and if you desaturate by 10%, it is **25.8443, 29.1010, 50.7098**.

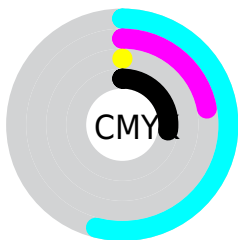
# Distribution



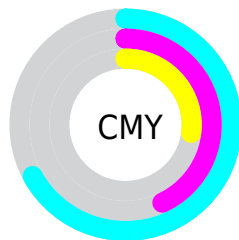
- Red (33%)
- Green (57%)
- Blue (73%)



- Red (33%)
- Yellow (48%)
- Blue (73%)



- Cyan (54%)
- Magenta (22%)
- Yellow (0%)
- Black (27%)



- Cyan (67%)
- Magenta (43%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7346, 25.7273, 50.2220 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 22.7346, 25.7273, 50.2220 by changing the saturation by 10% instead.



■ 22.7346, 25.7273,  
50.2220

■ 22.7346, 25.7273,  
50.2220

258.9198,  
281.4408, 404.2934

■ 14.5173, 16.6197,  
35.2174

■ 47.4270, 52.8347,  
91.9034

■ 8.5654, 9.9638,  
23.5455

■ 64.6329, 71.6033,  
119.4173

■ 4.5136, 5.3749,  
14.7877

■ 85.5656, 94.3611,  
151.9380

■ 1.9966, 2.4689,  
8.5256

■ 110.5905,  
121.4924, 189.8842

■ 0.6321, 0.8610,  
4.3405

140.0731,  
153.3816, 233.6742

■ 0.0000, 0.0000,  
1.8139

174.3785,

■ 0.0000, 0.0000,

190.4132, 283.7268

0.4371

213.8723,  
232.9714, 340.4603

■ 0.0000, 0.0000,  
0.0000

■ 22.7346, 25.7273,  
50.2220

■ 22.7346, 25.7273,  
50.2220

■ 20.1471, 22.7376,  
49.7818

■ 25.8443, 29.1010,  
50.7098

■ 18.0422, 20.1079,  
49.3851

■ 29.5067, 32.8752,  
51.2452

■ 16.3782, 17.8148,  
49.0302

■ 33.7531, 37.0684,  
51.8308

■ 15.1039, 15.8297,  
48.7142

■ 38.6112, 41.6971,  
52.4682

■ 14.4926, 14.8044,  
48.5486

■ 44.1071, 46.7766,  
53.1590

■ 50.2652, 52.3215,  
53.9047

■ 57.1086, 58.3455,  
54.7067

■ 64.6592, 64.8618,  
55.5665

■ 72.9380, 71.8830,  
56.4854

# Harmonies

## Analogous

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



20.0684, 25.7273, 43.2794



22.7346, 25.7273, 50.2220



26.1168, 25.7273, 50.3727

# Triad

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



22.7346, 25.7273, 50.2220



31.3560, 25.7273, 23.6057



20.1539, 25.7273, 16.6409

# Complementary

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



22.7346, 25.7273, 50.2220



29.3509, 26.0175, 12.0701

# 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.



22.8615, 25.7273, 13.4971



22.7346, 25.7273, 50.2220



29.4338, 25.7273, 16.8387

# Square

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



22.7346, 25.7273, 50.2220



31.3139, 25.7273, 33.3626



26.2559, 25.7273, 13.5599



18.6755, 25.7273, 23.2676



# Rectangle

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



22.7346, 25.7273, 50.2220



28.3399, 25.7273, 46.5002



26.2559, 25.7273, 13.5599



20.9388, 25.7273, 15.2181

# Sweetspot

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



22.7355, 25.7282, 50.2226



68.1637, 73.8650, 94.8662



25.0332, 38.5406, 25.6569



14.5996, 15.8771, 20.8377



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



22.7355, 25.7282, 50.2226



35.7778, 40.3195, 90.0982



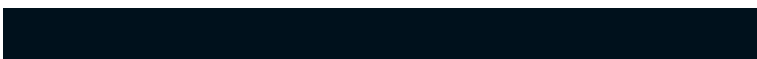
16.7112, 13.6798, 48.2145



8.9526, 9.5825, 11.4572



9.8252, 10.1100, 32.6867



0.4055, 0.4746, 1.1720



# Inverse Universe

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



28.6098, 18.9813, 28.9449



48.0047, 28.6127, 45.2861



37.3957, 42.1071, 14.7517



9.2224, 9.0993, 10.5188



15.5730, 7.8029, 10.9040



0.5788, 0.2870, 0.5415



# Previews

## White Background



This preview shows how the XYZ color 22.7346, 25.7273, 50.2220 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 22.7346, 25.7273, 50.2220 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

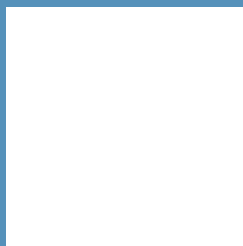
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 22.7346, 25.7273, 50.2220**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.7346, 25.7273, 50.2220.



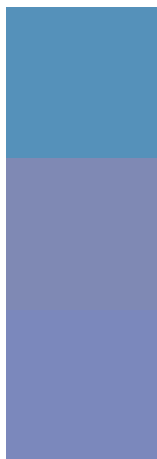
This preview shows how white text looks on a background with the XYZ color 22.7346, 25.7273,



# 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

22.7346, 25.7273, 50.2220

### Protanopia

25.9363, 25.6986, 46.7734

### Deuteranopia

26.0496, 25.4501, 51.1164



## Tritanopia

20.1610, 25.6046, 37.5978

# Trichromacy



## Original Color

22.7346, 25.7273, 50.2220

## Protanomaly

24.5037, 25.5783, 47.9016

## Deuteranomaly

24.5089, 25.3043, 50.6062

## Tritanomaly

21.0701, 25.7444, 41.8889

# Monochromacy



## Original Color

22.7346, 25.7273, 50.2220

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

21.6834, 23.8032, 33.1574

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.7346, 25.7273, 50.2220 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(85, 145, 186)` looks like.

```
.text, #text, p{  
    color:rgb(85, 145, 186)  
}
```

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(85, 145, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 145, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 22.7346, 25.7273, 50.2220 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(85, 145, 186) }
```



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

```
.border{ border-color:rgb(85, 145, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 145, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 145, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 145, 186);  
box-shadow:4px 4px 4px 4px rgb(85, 145,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.7346, 25.7273, 50.2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 145, 186) }
```

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

```
.background{ background-color: rgb(85, 145,  
186) }
```

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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