

Converting Colors

XYZ(22.2706, 25.9942, 48.0996)

Have a look what the booklet for
XYZ(22.2706, 25.9942, 48.0996)
contains.

XYZ(22.2706, 25.9942, 48.0996)	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(22.2706, 25.9942,
48.0996)**

Conversions

Conversions Part 1

Format	Color
Hex	5193B6
RGB	81, 147, 182
RGB Percent	32%, 58%, 71%
CMY	0.6823, 0.4235, 0.2863
CMYK	0.55, 0.19, 0.00, 0.29
HSL	201°, 41%, 52%
HSV	201°, 55%, 71%
XYZ	22.2706, 25.9942, 48.0996
YIQ	131.2560, -50.5710, -3.1070

Conversions

Conversions Part 2

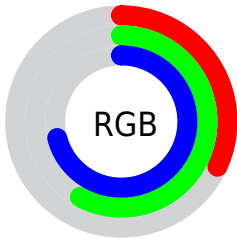
Format	Color
R_{YB}	81, 121, 182
Decimal	5346230
CIE _{Lab}	58.03, -10.85, -24.68
CIE _{LCh}	58, 26.960, 246.262
Yxy	25.9942, 0.2311, 0.2697
Android (android.graphics.Color)	4283536310 (0xFF5193B6)
YUV	131.2560, 25.0168, -44.0745
Hunter-Lab	50.9845, -11.2521, -20.2460

Details

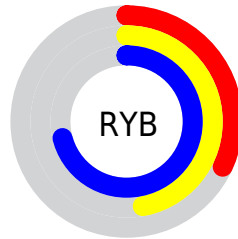
The XYZ color **22.2706, 25.9942, 48.0996** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **27.0229, 23.0310, 10.8068**, and the grayscale version is **21.5920, 22.7165, 24.7383**.

A 20% lighter version of the original color is **46.6358, 53.2647, 88.7121**, and **8.2833, 10.0219, 22.2667** is the 20% darker color. If you saturate the color by 10%, you get **19.9611, 23.3878, 47.7187**, and if you desaturate by 10%, it is **25.0536, 28.9255, 48.5192**.

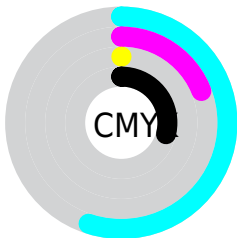
Distribution



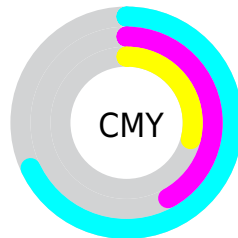
- Red (32%)
- Green (58%)
- Blue (71%)



- Red (32%)
- Yellow (47%)
- Blue (71%)



- Cyan (55%)
- Magenta (19%)
- Yellow (0%)
- Black (29%)



- Cyan (68%)
- Magenta (42%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2706, 25.9942, 48.0996 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 22.2706, 25.9942, 48.0996 by changing the saturation by 10% instead.

■ 22.2706, 25.9942,
48.0996

■ 22.2706, 25.9942,
48.0996

256.5621,
282.7536, 395.7069

■ 14.1736, 16.8193,
33.5452

■ 46.6684, 53.2656,
88.7198

■ 8.3240, 10.1057,
22.2699

■ 63.6998, 72.1309,
115.6226

■ 4.3565, 5.4691,
13.8552

■ 84.4401, 94.9951,
147.4788

■ 1.9057, 2.5251,
7.8824

■ 109.2547,
122.2426, 184.7067

■ 0.5802, 0.8891,
3.9331

138.5088,
154.2578, 227.7249

■ 0.0000, 0.0000,
1.5887

172.5678,

■ 0.0000, 0.0000,

191.4251, 276.9520

0.2827

211.7971,
234.1289, 332.8064

■ 0.0000, 0.0000,
0.0000

■ 22.2706, 25.9942,
48.0996

■ 22.2706, 25.9942,
48.0996

■ 19.9611, 23.3878,
47.7187

■ 25.0536, 28.9255,
48.5192

■ 18.0874, 21.0842,
47.3728

■ 28.3387, 32.1963,
48.9774

■ 16.6098, 19.0620,
47.0604

■ 32.1553, 35.8233,
49.4763

■ 15.4782, 17.2941,
46.7788

■ 36.5294, 39.8212,
50.0174

■ 15.0322, 16.5547,
46.6596

■ 41.4856, 44.2038,
50.6021

■ 47.0466, 48.9839,
51.2317

■ 53.2341, 54.1739,
51.9074

■ 60.0685, 59.7853,
52.6303

■ 67.5693, 65.8293,
53.4015

Harmonies

Analogous

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



19.9935, 25.9942, 40.2919



22.2706, 25.9942, 48.0996



25.3961, 25.9942, 50.1360

Triad

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



22.2706, 25.9942, 48.0996



31.4691, 25.9942, 26.3916



21.1847, 25.9942, 16.1653

Complementary

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



22.2706, 25.9942, 48.0996



27.0229, 23.0310, 10.8068

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.



24.0299, 25.9942, 13.9567



22.2706, 25.9942, 48.0996



30.1079, 25.9942, 18.9653

Square

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



22.2706, 25.9942, 48.0996



30.8940, 25.9942, 36.1541



27.3143, 25.9942, 14.8556



19.4061, 25.9942, 21.6801

Rectangle

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



22.2706, 25.9942, 48.0996



27.5825, 25.9942, 47.6255



27.3143, 25.9942, 14.8556



22.0381, 25.9942, 15.0740

Sweetspot

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



22.2715, 25.9952, 48.1002



64.7262, 70.8424, 90.4982



23.1975, 36.4361, 21.9307



13.9362, 15.3206, 19.9443



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.2715, 25.9952, 48.1002



35.2173, 41.2461, 86.3409



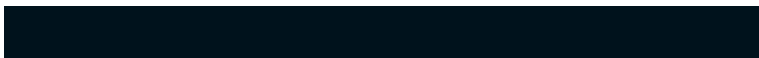
16.1899, 13.8321, 46.0730



8.9976, 9.6724, 11.4722



10.6794, 11.8185, 32.9714



0.4319, 0.5275, 1.1808

Inverse Universe

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



27.5011, 17.9375, 29.6175



46.1707, 26.8972, 47.0623



34.2626, 37.5104, 13.2200



9.2451, 9.1084, 10.6383



16.0041, 7.9754, 13.1745



0.5922, 0.2923, 0.6117

Previews

White Background



This preview shows how the XYZ color 22.2706, 25.9942, 48.0996 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 22.2706, 25.9942, 48.0996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

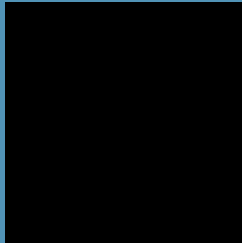
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2706, 25.9942, 48.0996

Background



This preview shows how black text looks on a background with the XYZ color 22.2706, 25.9942, 48.0996.

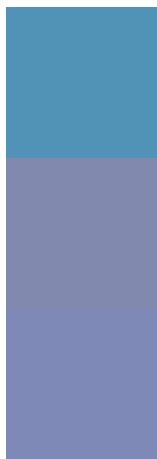


This preview shows how white text looks on a background with the XYZ color 22.2706, 25.9942,

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

22.2706, 25.9942, 48.0996

Protanopia

25.7368, 25.6536, 44.1526

Deuteranopia

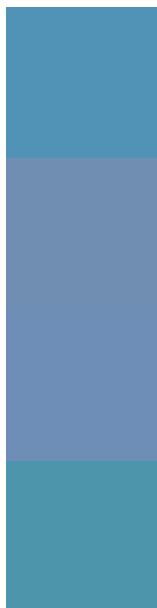
26.3498, 25.8640, 48.9509



Tritanopia

20.3412, 25.9129, 38.5799

Trichromacy



Original Color

22.2706, 25.9942, 48.0996

Protanomaly

24.2428, 25.7089, 45.8040

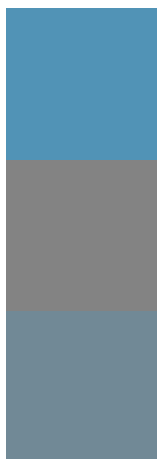
Deuteranomaly

24.5025, 25.7836, 48.4851

Tritanomaly

21.0637, 25.9750, 41.9337

Monochromacy



Original Color

22.2706, 25.9942, 48.0996

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.2607, 23.6040, 32.2896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2706, 25.9942, 48.0996 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(81, 147, 182)` looks like.

```
.text, #text, p{  
    color:rgb(81, 147, 182)  
}
```

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(81, 147, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 147, 182) }
```

Border

The CSS property to change the border of an element to XYZ 22.2706, 25.9942, 48.0996 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(81, 147, 182) }
```


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

```
.border{ border-color:rgb(81, 147, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 147, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 147, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 147, 182);  
box-shadow:4px 4px 4px 4px rgb(81, 147,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2706, 25.9942, 48.0996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 147, 182) }
```

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

```
.background{ background-color: rgb(81, 147,  
182) }
```

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