

Converting Colors

XYZ(22.4571, 25.5538, 51.8856)

Have a look what the booklet for
XYZ(22.4571, 25.5538, 51.8856)
contains.

XYZ(22.4526, 25.5446, 51.8913)	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(22.4526, 25.5446,
51.8913)**

Conversions

Conversions Part 1

Format	Color
Hex	4E91BD
RGB	78, 145, 189
RGB Percent	31%, 57%, 74%
CMY	0.6941, 0.4314, 0.2588
CMYK	0.59, 0.23, 0.00, 0.26
HSL	204°, 46%, 52%
HSV	204°, 59%, 74%
XYZ	22.4526, 25.5446, 51.8913
YIQ	129.9830, -54.0560, -0.5200

Conversions

Conversions Part 2

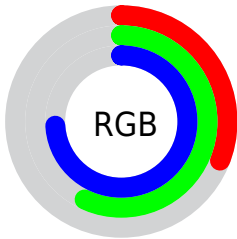
Format	Color
R _Y B	78, 120, 189
Decimal	5149117
CIE Lab	57.60, -8.16, -29.32
CIE LCh	58, 30.437, 254.439
Yxy	25.5446, 0.2248, 0.2557
Android (android.graphics.Color)	4283339197 (0xFF4E91BD)
YUV	129.9830, 29.0954, -45.5891
Hunter-Lab	50.5417, -9.1512, -25.4941

Details

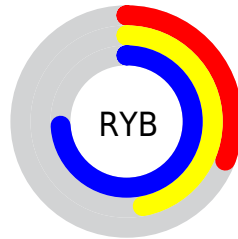
The XYZ color **22.4526, 25.5446, 51.8913** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **29.3220, 25.2893, 10.5447**, and the grayscale version is **21.1271, 22.2273, 24.2056**.

A 20% lighter version of the original color is **46.8965, 52.5903, 94.0654**, and **8.4654, 9.9337, 24.3929** is the 20% darker color. If you saturate the color by 10%, you get **20.0136, 22.6438, 51.4604**, and if you desaturate by 10%, it is **25.4138, 28.8276, 52.3694**.

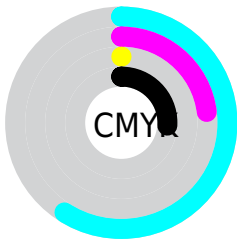
Distribution



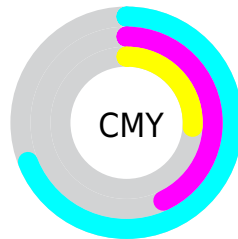
- Red (31%)
- Green (57%)
- Blue (74%)



- Red (31%)
- Yellow (47%)
- Blue (74%)



- Cyan (59%)
- Magenta (23%)
- Yellow (0%)
- Black (26%)



- Cyan (69%)
- Magenta (43%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4526, 25.5446, 51.8913 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 22.4526, 25.5446, 51.8913 by changing the saturation by 10% instead.

■ 22.4526, 25.5446,
51.8913

■ 22.4526, 25.5446,
51.8913

257.4890,
280.5393, 410.9618

■ 14.3083, 16.4833,
36.5368

■ 46.9662, 52.5394,
94.3959

■ 8.4185, 9.8668,
24.5561

■ 64.0663, 71.2416,
122.3830

■ 4.4180, 5.3107,
15.5306

■ 84.8822, 93.9262,
155.4181

■ 1.9412, 2.4307,
9.0419

■ 109.7796,
120.9776, 193.9197

■ 0.6006, 0.8416,
4.6713

■ 139.1235,
152.7803, 238.3063

■ 0.0000, 0.0000,
2.0004

173.2795,

■ 0.0000, 0.0000,

189.7185, 288.9965

0.5555

212.6129,
232.1767, 346.4088

■ 0.0000, 0.0000,
0.0000

■ 22.4526, 25.5446,
51.8913

■ 22.4526, 25.5446,
51.8913

■ 20.0136, 22.6438,
51.4604

■ 25.4138, 28.8276,
52.3694

■ 18.0535, 20.0994,
51.0726

■ 28.9305, 32.5107,
52.8950

■ 16.5254, 17.8855,
50.7258

■ 33.0364, 36.6137,
53.4705

■ 15.3501, 15.9588,
50.4159

■ 37.7612, 41.1540,
54.0979

■ 15.2117, 15.7269,
50.3784

■ 43.1328, 46.1478,
54.7786

■ 49.1772, 51.6105,
55.5145

■ 55.9189, 57.5564,
56.3068

■ 63.3811, 63.9995,
57.1572

■ 71.5859, 70.9527,
58.0668

Harmonies

Analogous

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



19.6239, 25.5446, 44.3109



22.4526, 25.5446, 51.8913



26.0639, 25.5446, 52.0451

Triad

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



22.4526, 25.5446, 51.8913



31.6949, 25.5446, 23.1158



19.7080, 25.5446, 15.8318

Complementary

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



22.4526, 25.5446, 51.8913



29.3220, 25.2893, 10.5447

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.



22.5782, 25.5446, 12.5858



22.4526, 25.5446, 51.8913



29.6184, 25.5446, 16.0227

Square

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



22.4526, 25.5446, 51.8913



31.6527, 25.5446, 33.5353



26.2026, 25.5446, 12.6456



18.1505, 25.5446, 22.7830

Rectangle

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



22.4526, 25.5446, 51.8913



28.4497, 25.5446, 47.7994



26.2026, 25.5446, 12.6456



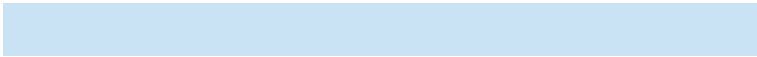
20.5379, 25.5446, 14.3579

Sweetspot

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



22.4535, 25.5455, 51.8919



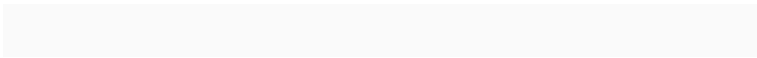
68.0276, 74.0817, 96.9400



24.7640, 39.3851, 24.2430



14.0701, 15.4012, 20.7737



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.



22.4535, 25.5455, 51.8919



34.9289, 39.4079, 91.9917



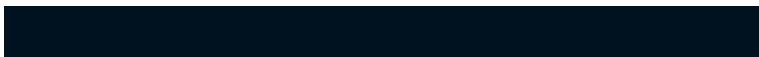
16.0650, 12.7687, 49.7624



9.4826, 10.1574, 12.1330



10.3111, 10.7339, 33.9213



0.4661, 0.5448, 1.3495

Inverse Universe

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



28.8223, 18.3129, 28.8045



47.9211, 27.3689, 44.2852



37.8972, 42.4399, 13.4032



9.7654, 9.6305, 11.1537



16.2053, 8.1133, 11.6408



0.6662, 0.3304, 0.6213

Previews

White Background



This preview shows how the XYZ color 22.4526, 25.5446, 51.8913 looks on a white background.

Color Contrast Check

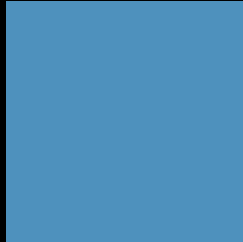
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4526, 25.5446, 51.8913 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 22.4526, 25.5446, 51.8913

Background



This preview shows how black text looks on a background with the XYZ color 22.4526, 25.5446, 51.8913.

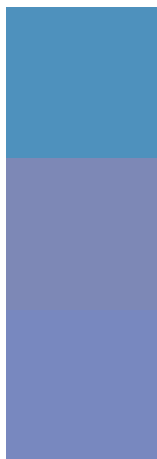


This preview shows how white text looks on a background with the XYZ color 22.4526, 25.5446,

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

22.4526, 25.5446, 51.8913

Protanopia

25.7051, 25.3457, 47.7934

Deuteranopia

25.9539, 25.3630, 52.8178



Tritanopia

19.7427, 25.6146, 38.0860

Trichromacy



Original Color

22.4526, 25.5446, 51.8913

Protanomaly

24.1739, 25.1562, 49.4805

Deuteranomaly

24.3526, 25.1862, 52.2931

Tritanomaly

20.6348, 25.4980, 42.8638

Monochromacy



Original Color

22.4526, 25.5446, 51.8913

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.8054, 22.9418, 32.6098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4526, 25.5446, 51.8913 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(78, 145, 189)` looks like.

```
.text, #text, p{  
    color:rgb(78, 145, 189)  
}
```

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(78, 145, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 145, 189) }
```

Border

The CSS property to change the border of an element to XYZ 22.4526, 25.5446, 51.8913 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(78, 145, 189) }
```


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

```
.border{ border-color:rgb(78, 145, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 145, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 145, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 145, 189);  
box-shadow:4px 4px 4px 4px rgb(78, 145,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4526, 25.5446, 51.8913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 145, 189) }
```

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

```
.background{ background-color: rgb(78, 145,  
189) }
```

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