

Converting Colors

XYZ(21.7750, 26.1793, 45.6271)

Have a look what the booklet for
XYZ(21.7750, 26.1793, 45.6271)
contains.

XYZ(21.8251, 26.2889, 45.5189)	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(21.8251, 26.2889,
45.5189)**

Conversions

Conversions Part 1

Format	Color
Hex	4E95B1
RGB	78, 149, 177
RGB Percent	31%, 58%, 69%
CMY	0.6941, 0.4157, 0.3059
CMYK	0.56, 0.16, 0.00, 0.31
HSL	197°, 39%, 50%
HSV	197°, 56%, 69%
XYZ	21.8251, 26.2889, 45.5189
YIQ	130.9630, -51.3040, -6.3440

Conversions

Conversions Part 2

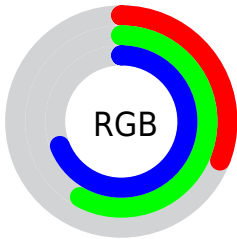
Format	Color
RYB	78, 119, 177
Decimal	5150129
CIELab	58.31, -14.12, -21.42
CIELCh	58, 25.661, 236.606
Yxy	26.2889, 0.2331, 0.2808
Android (android.graphics.Color)	4283340209 (0xFF4E95B1)
YUV	130.9630, 22.6962, -46.4486
Hunter-Lab	51.2727, -13.7457, -16.7456

Details

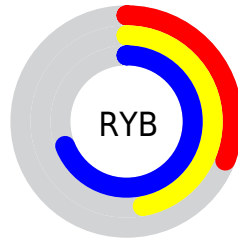
The XYZ color **21.8251, 26.2889, 45.5189** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.6613, 20.2060, 9.8089**, and the grayscale version is **21.4956, 22.6151, 24.6278**.

A 20% lighter version of the original color is **45.8954, 53.6634, 85.0299**, and **8.0558, 10.2164, 20.6162** is the 20% darker color. If you saturate the color by 10%, you get **19.7905, 24.0899, 45.2022**, and if you desaturate by 10%, it is **24.2857, 28.7591, 45.8665**.

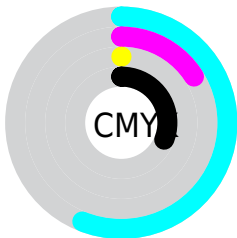
Distribution



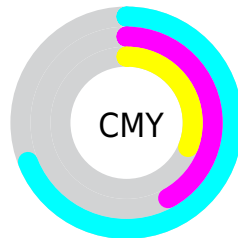
- Red (31%)
- Green (58%)
- Blue (69%)



- Red (31%)
- Yellow (47%)
- Blue (69%)



- Cyan (56%)
- Magenta (16%)
- Yellow (0%)
- Black (31%)



- Cyan (69%)
- Magenta (42%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8251, 26.2889, 45.5189 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 21.8251, 26.2889, 45.5189 by changing the saturation by 10% instead.

■ 21.8251, 26.2889,
45.5189

■ 21.8251, 26.2889,
45.5189

254.2811,
284.1974, 385.0923

■ 13.8443, 17.0399,
31.5204

■ 45.9378, 53.7406,
84.8252

■ 8.0934, 10.2629,
20.7337

■ 62.8004, 72.7122,
110.9701

■ 4.2071, 5.5736,
12.7401

■ 83.3543, 95.6933,
142.0009

■ 1.8200, 2.5876,
7.1212

■ 107.9649,
123.0685, 178.3362

■ 0.5297, 0.9204,
3.4584

■ 136.9975,
155.2221, 220.3944

■ 0.0000, 0.0000,
1.3332

170.8175,

■ 0.0000, 0.0000,

192.5385, 268.5941

0.0888

209.7903,
235.4022, 323.3539

■ 0.0000, 0.0000,
0.0000

■ 21.8251, 26.2889,
45.5189

■ 21.8251, 26.2889,
45.5189

■ 19.7905, 24.0899,
45.2022

■ 24.2857, 28.7591,
45.8665

■ 18.1469, 22.1419,
44.9128

■ 27.1987, 31.5132,
46.2446

■ 16.8574, 20.4257,
44.6495

■ 30.5913, 34.5662,
46.6550

■ 15.8735, 18.9157,
44.4099

■ 34.4876, 37.9313,
47.0992

■ 15.5176, 18.3378,
44.3171

■ 38.9101, 41.6206,
47.5782

■ 43.8800, 45.6456,
48.0932

■ 49.4170, 50.0171,
48.6451

■ 55.5401, 54.7453,
49.2350

■ 62.2672, 59.8401,
49.8639

Harmonies

Analogous

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



19.9928, 26.2889, 37.0385



21.8251, 26.2889, 45.5189



24.6330, 26.2889, 49.4545

Triad

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



21.8251, 26.2889, 45.5189



31.4739, 26.2889, 29.6544



22.3926, 26.2889, 15.8358

Complementary

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



21.8251, 26.2889, 45.5189



24.6613, 20.2060, 9.8089

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.



25.3440, 26.2889, 14.6591



21.8251, 26.2889, 45.5189



30.7501, 26.2889, 21.5917

Square

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



21.8251, 26.2889, 45.5189



30.3436, 26.2889, 39.1722



28.4400, 26.2889, 16.5319



20.3007, 26.2889, 20.1631

Rectangle

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



21.8251, 26.2889, 45.5189



26.7427, 26.2889, 48.4716



28.4400, 26.2889, 16.5319



23.3095, 26.2889, 15.1034

Sweetspot

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



21.8260, 26.2899, 45.5195



60.7617, 67.0795, 84.2405



21.3838, 34.0722, 18.6539



12.8638, 14.2770, 18.2221



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.8260, 26.2899, 45.5195



34.7336, 42.3335, 80.8358



15.7419, 14.1217, 43.4915



8.5355, 9.2172, 10.8356



11.2964, 13.3932, 32.1267



0.4019, 0.5144, 1.0263

Inverse Universe

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



26.2814, 16.9666, 30.3245



43.9033, 25.4185, 49.0532



31.0463, 32.9761, 11.9372



8.7455, 8.6049, 10.1582



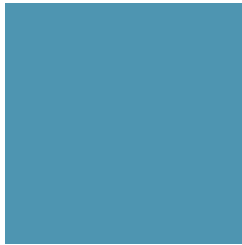
15.9366, 7.8922, 15.3577



0.5249, 0.2577, 0.6068

Previews

White Background



This preview shows how the XYZ color 21.8251, 26.2889, 45.5189 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 21.8251, 26.2889, 45.5189 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 21.8251, 26.2889, 45.5189

Background



This preview shows how black text looks on a background with the XYZ color 21.8251, 26.2889, 45.5189.



This preview shows how white text looks on a background with the XYZ color 21.8251, 26.2889,

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

21.8251, 26.2889, 45.5189

Protanopia

25.9228, 26.0281, 41.1938

Deuteranopia

26.6996, 26.0921, 46.8091



Tritanopia

20.5151, 26.2300, 39.1036

Trichromacy



Original Color

21.8251, 26.2889, 45.5189

Protanomaly

23.9294, 25.8353, 42.7552

Deuteranomaly

24.3437, 25.7492, 46.3349

Tritanomaly

20.9694, 26.1731, 41.4828

Monochromacy



Original Color

21.8251, 26.2889, 45.5189

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.1159, 23.7598, 31.4902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8251, 26.2889, 45.5189 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, 149, 177)` looks like.

```
.text, #text, p{  
    color:rgb(78, 149, 177)  
}
```

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, 149, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 149, 177) }
```

Border

The CSS property to change the border of an element to XYZ 21.8251, 26.2889, 45.5189 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, 149, 177) }
```


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

```
.border{ border-color:rgb(78, 149, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 149, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 149, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 149, 177);  
box-shadow:4px 4px 4px 4px rgb(78, 149,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8251, 26.2889, 45.5189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 149, 177) }
```

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

```
.background{ background-color: rgb(78, 149,  
177) }
```

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