

Converting Colors

XYZ(21.2701, 25.0909, 44.7963)

Have a look what the booklet for
XYZ(21.2701, 25.0909, 44.7963)
contains.

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Color

**XYZ(21.2701, 25.0909,
44.7963)**

Conversions

Conversions Part 1

Format	Color
Hex	5091B0
RGB	80, 145, 176
RGB Percent	31%, 57%, 69%
CMY	0.6863, 0.4314, 0.3098
CMYK	0.55, 0.18, 0.00, 0.31
HSL	199°, 38%, 50%
HSV	199°, 55%, 69%
XYZ	21.2701, 25.0909, 44.7963
YIQ	129.0990, -48.6910, -4.1390

Conversions

Conversions Part 2

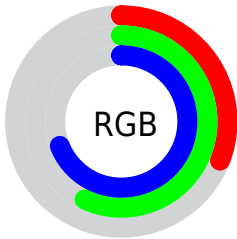
Format	Color
R _Y B	80, 119, 176
Decimal	5280176
CIE Lab	57.16, -11.80, -22.61
CIE LCh	57, 25.500, 242.436
Yxy	25.0909, 0.2333, 0.2752
Android (android.graphics.Color)	4283470256 (0xFF5091B0)
YUV	129.0990, 23.1222, -43.0598
Hunter-Lab	50.0908, -11.8623, -17.9596

Details

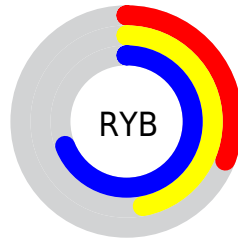
The XYZ color **21.2701, 25.0909, 44.7963** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **25.0375, 21.1788, 10.3584**, and the grayscale version is **20.8354, 21.9205, 23.8714**.

A 20% lighter version of the original color is **45.1423, 51.9073, 83.9838**, and **7.8190, 9.6926, 20.1977** is the 20% darker color. If you saturate the color by 10%, you get **19.1275, 22.7297, 44.4539**, and if you desaturate by 10%, it is **23.8470, 27.7415, 45.1726**.

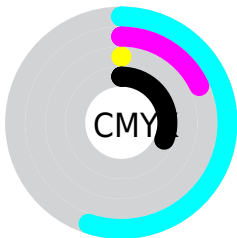
Distribution



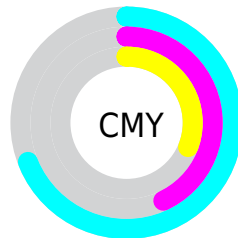
- Red (31%)
- Green (57%)
- Blue (69%)



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



- Cyan (55%)
- Magenta (18%)
- Yellow (0%)
- Black (31%)



- Cyan (69%)
- Magenta (43%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2701, 25.0909, 44.7963 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 21.2701, 25.0909, 44.7963 by changing the saturation by 10% instead.

■ 21.2701, 25.0909,
44.7963

■ 21.2701, 25.0909,
44.7963

251.4151,
278.2903, 382.0840

■ 13.4352, 16.1448,
30.9552

■ 45.0245, 51.8047,
83.7299

■ 7.8079, 9.6267,
20.3066

■ 61.6747, 70.3411,
109.6594

■ 4.0231, 5.1521,
12.4318

■ 81.9940, 92.8431,
140.4556

■ 1.7152, 2.3368,
6.9124

■ 106.3479,
119.6950, 176.5369

■ 0.4658, 0.7931,
3.3297

■ 135.1015,
151.2813, 218.3218

■ 0.0000, 0.0000,
1.2654

168.6204,

■ 0.0000, 0.0000,

187.9864, 266.2289

0.0332

207.2698,
230.1946, 320.6768

■ 0.0000, 0.0000,
0.0000

■ 21.2701, 25.0909,
44.7963

■ 21.2701, 25.0909,
44.7963

■ 19.1275, 22.7297,
44.4539

■ 23.8470, 27.7415,
45.1726

■ 17.3850, 20.6378,
44.1420

■ 26.8841, 30.6943,
45.5824

■ 16.0070, 18.7965,
43.8592

■ 30.4080, 33.9643,
46.0279

■ 14.9495, 17.1820,
43.6033

■ 34.4426, 37.5647,
46.5102

■ 14.4535, 16.3685,
43.4724

■ 39.0099, 41.5079,
47.0306

■ 44.1308, 45.8053,
47.5902

■ 49.8249, 50.4679,
48.1900

■ 56.1109, 55.5062,
48.8312

■ 63.0066, 60.9302,
49.5147

Harmonies

Analogous

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



19.2913, 25.0909, 37.2043



21.2701, 25.0909, 44.7963



24.0949, 25.0909, 47.4408

Triad

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



21.2701, 25.0909, 44.7963



30.1074, 25.0909, 26.6216



20.8779, 25.0909, 15.5866

Complementary

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



21.2701, 25.0909, 44.7963



25.0375, 21.1788, 10.3584

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.



23.6031, 25.0909, 13.8849



21.2701, 25.0909, 44.7963



29.0714, 25.0909, 19.3621

Square

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



21.2701, 25.0909, 44.7963



29.3529, 25.0909, 35.7259



26.6265, 25.0909, 15.1072



19.0786, 25.0909, 20.3479

Rectangle

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



21.2701, 25.0909, 44.7963



26.1248, 25.0909, 45.6731



26.6265, 25.0909, 15.1072



21.7077, 25.0909, 14.6890

Sweetspot

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



21.2709, 25.0918, 44.7969



61.1279, 66.9514, 84.1964



21.6705, 33.8913, 20.2666



12.9210, 14.2205, 18.2081



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.



21.2709, 25.0918, 44.7969



34.1396, 40.5869, 80.5300



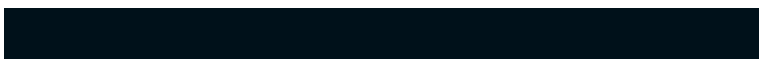
15.4758, 13.5015, 42.8652



8.5067, 9.1596, 10.8260



10.6594, 12.1192, 31.9144



0.3855, 0.4816, 1.0209

Inverse Universe

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



25.8847, 17.0125, 28.7086



43.7398, 25.8752, 46.5829



31.6483, 34.4004, 12.5620



8.7310, 8.5991, 10.0817



15.6150, 7.7636, 13.6646



0.5166, 0.2544, 0.5632

Previews

White Background



This preview shows how the XYZ color 21.2701, 25.0909, 44.7963 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 21.2701, 25.0909, 44.7963 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

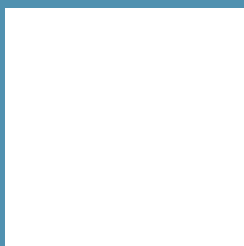
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2701, 25.0909, 44.7963

Background



This preview shows how black text looks on a background with the XYZ color 21.2701, 25.0909, 44.7963.

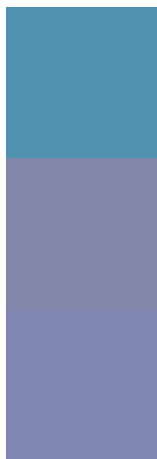


This preview shows how white text looks on a background with the XYZ color 21.2701, 25.0909,

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

21.2701, 25.0909, 44.7963

Protanopia

24.8787, 24.8596, 41.0233

Deuteranopia

25.3134, 24.7766, 45.5677



Tritanopia

19.7591, 25.1737, 37.0753

Trichromacy



Original Color

21.2701, 25.0909, 44.7963

Protanomaly

23.2346, 24.8233, 42.5965

Deuteranomaly

23.4547, 24.6663, 45.1198

Tritanomaly

20.2971, 25.1571, 39.8624

Monochromacy



Original Color

21.2701, 25.0909, 44.7963

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.4078, 22.7828, 30.5160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2701, 25.0909, 44.7963 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(80, 145, 176)` looks like.

```
.text, #text, p{  
    color:rgb(80, 145, 176)  
}
```

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(80, 145, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 145, 176) }
```

Border

The CSS property to change the border of an element to XYZ 21.2701, 25.0909, 44.7963 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(80, 145, 176) }
```


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

```
.border{ border-color:rgb(80, 145, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 145, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 145, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 145, 176);  
box-shadow:4px 4px 4px 4px rgb(80, 145,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2701, 25.0909, 44.7963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 145, 176) }
```

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

```
.background{ background-color: rgb(80, 145,  
176) }
```

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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