

Converting Colors

XYZ(20.7950, 24.6371, 59.1952)

Have a look what the booklet for
XYZ(20.7950, 24.6371, 59.1952)
contains.

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Color

**XYZ(20.6680, 24.4678,
58.8918)**

Conversions

Conversions Part 1

Format	Color
Hex	0091C9
RGB	0, 145, 201
RGB Percent	0%, 57%, 79%
CMY	0.9998, 0.4314, 0.2118
CMYK	1.00, 0.28, 0.00, 0.21
HSL	197°, 100%, 39%
HSV	197°, 100%, 79%
XYZ	20.6680, 24.4678, 58.8918
YIQ	108.0290, -104.3960, -13.3240

Conversions

Conversions Part 2

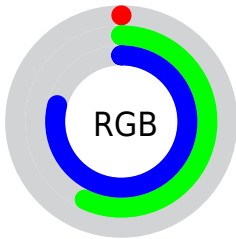
Format	Color
RYB	0, 84, 201
Decimal	37321
CIELab	56.55, -12.06, -37.86
CIELCh	57, 39.735, 252.333
Yxy	24.4678, 0.1987, 0.2352
Android (android.graphics.Color)	4278227401 (0xFF0091C9)
YUV	108.0290, 45.8347, -94.7414
Hunter-Lab	49.4649, -11.9807, -35.9638

Details

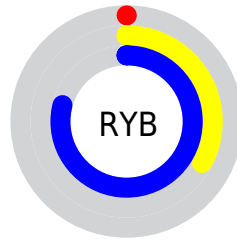
The XYZ color **20.6680, 24.4678, 58.8918** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **25.5042, 15.2504, 1.6007**, and the grayscale version is **14.1626, 14.9001, 16.2263**.

A 20% lighter version of the original color is **43.6190, 50.7195, 102.0986**, and **9.3587, 10.2910, 29.0969** is the 20% darker color. If you saturate the color by 10%, you get **20.6664, 24.4645, 58.8918**, and if you desaturate by 10%, it is **21.8369, 26.3729, 59.1984**.

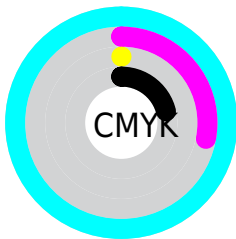
Distribution



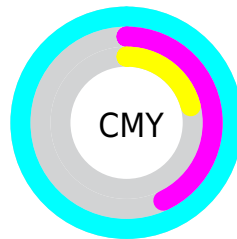
- Red (0%)
- Green (57%)
- Blue (79%)



- Red (0%)
- Yellow (33%)
- Blue (79%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (43%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6680, 24.4678, 58.8918 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 20.6680, 24.4678, 58.8918 by changing the saturation by 10% instead.

■ 20.6680, 24.4678,
58.8918

■ 20.6680, 24.4678,
58.8918

248.2740,
275.1771, 438.1915

■ 12.9926, 15.6810,
42.1066

■ 44.0298, 50.7925,
104.7480

■ 7.5004, 9.2987,
28.8586

■ 60.4469, 69.0992,
134.6560

■ 3.8261, 4.9365,
18.7292

■ 80.5086, 91.3480,
169.7754

■ 1.6042, 2.2101,
11.2999

■ 104.5803,
117.9233, 210.5247

■ 0.3952, 0.7255,
6.1523

■ 133.0274,
149.2094, 257.3224

■ 0.0000, 0.0000,
2.8676

166.2151,

■ 0.0000, 0.0000,

185.5908, 310.5871

1.0274

204.5089,
227.4519, 370.7373

■ 0.0000, 0.0000,
0.0000

■ 20.6680, 24.4678,
58.8918

■ 20.6680, 24.4678,
58.8918

■ 20.6664, 24.4645,
58.8918

■ 21.8369, 26.3729,
59.1984

■ 23.3501, 28.5185,
59.5328

■ 25.3131, 30.9606,
59.9007

■ 27.7820, 33.7285,
60.3049

■ 30.8038, 36.8476,
60.7476

■ 34.4201, 40.3400,
61.2311

■ 38.6681, 44.2258,
61.7573

■ 43.5821, 48.5232,
62.3278

■ 49.1937, 53.2495,
62.9443

Harmonies

Analogous

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



17.2990, 24.4678, 47.6563



20.6680, 24.4678, 58.8918



25.2011, 24.4678, 59.9357

Triad

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



20.6680, 24.4678, 58.8918



33.0354, 24.4678, 21.5783



17.7824, 24.4678, 11.9356

Complementary

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



20.6680, 24.4678, 58.8918



25.5042, 15.2504, 1.6007

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.



21.4134, 24.4678, 8.7398



20.6680, 24.4678, 58.8918



30.4439, 24.4678, 12.9408

Square

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



20.6680, 24.4678, 58.8918



32.7663, 24.4678, 35.1128



26.0513, 24.4678, 9.0339



15.7907, 24.4678, 19.6553

Rectangle

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



20.6680, 24.4678, 58.8918



28.3265, 24.4678, 54.3654



26.0513, 24.4678, 9.0339



18.8297, 24.4678, 10.4322

Sweetspot

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



20.6689, 24.4686, 58.8924



65.8574, 75.4090, 105.6921



21.5447, 42.0369, 10.4235



13.4061, 15.5166, 22.5384



0.0000, 0.0000, 0.0000



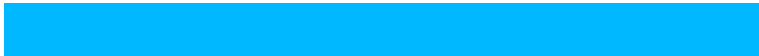
20.3446, 21.4041, 23.3091

Same Dimension

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



20.6689, 24.4686, 58.8924



35.1781, 41.4762, 100.7594



11.5572, 6.2452, 55.8552



10.6872, 11.5485, 13.5833



13.0745, 15.5430, 37.0553



0.6778, 0.8534, 1.7741

Inverse Universe

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



29.1991, 14.4630, 28.0413



49.8855, 24.7182, 47.4564



35.6618, 35.5656, 4.9866



10.9522, 10.7642, 12.7313



18.3987, 9.1091, 17.8415



0.9008, 0.4432, 1.0009

Previews

White Background



This preview shows how the XYZ color 20.6680, 24.4678, 58.8918 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 20.6680, 24.4678, 58.8918 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 20.6680, 24.4678, 58.8918

Background



This preview shows how black text looks on a background with the XYZ color 20.6680, 24.4678, 58.8918.



This preview shows how white text looks on a background with the XYZ color 20.6680, 24.4678,

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

20.6680, 24.4678, 58.8918

Protanopia

25.1276, 24.3186, 52.6598

Deuteranopia

25.0177, 24.2934, 60.4973



Tritanopia

17.3394, 24.3859, 37.5113

Trichromacy



Original Color

20.6680, 24.4678, 58.8918



Protanomaly

21.6200, 23.2873, 54.9852



Deuteranomaly

22.1147, 23.6470, 59.8987



Tritanomaly

18.4264, 24.3144, 44.7963

Monochromacy



Original Color

20.6680, 24.4678, 58.8918



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

14.1741, 16.8929, 28.1048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6680, 24.4678, 58.8918 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(0, 145, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 201)  
}
```

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(0, 145, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 201) }
```

Border

The CSS property to change the border of an element to XYZ 20.6680, 24.4678, 58.8918 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(0, 145, 201) }
```


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

```
.border{ border-color:rgb(0, 145, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6680, 24.4678, 58.8918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 201) }
```

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

```
.background{ background-color: rgb(0, 145,  
201) }
```

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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