

Converting Colors

XYZ(11.7798, 19.9885, 64.4076)

Have a look what the booklet for
XYZ(11.7798, 19.9885, 64.4076)
contains.

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Color

**XYZ(21.9117, 25.2109,
64.6841)**

Conversions

Conversions Part 1

Format	Color
Hex	0092D2
RGB	0, 146, 210
RGB Percent	0%, 57%, 82%
CMY	0.9998, 0.4274, 0.1765
CMYK	1.00, 0.30, 0.00, 0.18
HSL	198°, 100%, 41%
HSV	198°, 100%, 82%
XYZ	21.9117, 25.2109, 64.6841
YIQ	109.6420, -107.5600, -11.0480

Conversions

Conversions Part 2

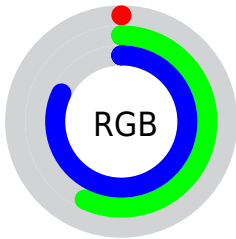
Format	Color
RYB	0, 86, 210
Decimal	37586
CIELab	57.28, -9.28, -41.78
CIELCh	57, 42.802, 257.478
Yxy	25.2109, 0.1960, 0.2255
Android (android.graphics.Color)	4278227666 (0xFF0092D2)
YUV	109.6420, 49.4765, -96.1560
Hunter-Lab	50.2105, -9.9714, -41.2336

Details

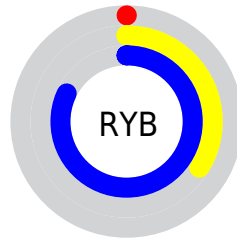
The XYZ color **21.9117, 25.2109, 64.6841** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **28.4147, 17.3737, 1.8571**, and the grayscale version is **14.6079, 15.3687, 16.7365**.

A 20% lighter version of the original color is **44.0711, 51.2953, 102.1859**, and **10.0993, 10.7323, 32.5496** is the 20% darker color. If you saturate the color by 10%, you get **21.9100, 25.2072, 64.6840**, and if you desaturate by 10%, it is **23.2369, 27.4006, 65.0374**.

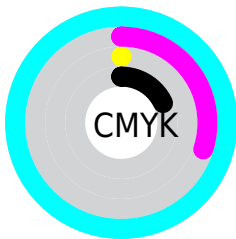
Distribution



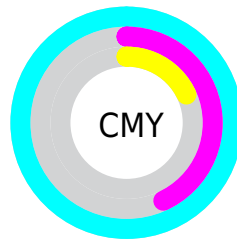
- Red (0%)
- Green (57%)
- Blue (82%)



- Red (0%)
- Yellow (34%)
- Blue (82%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (43%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9117, 25.2109, 64.6841 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 21.9117, 25.2109, 64.6841 by changing the saturation by 10% instead.

■ 21.9117, 25.2109,
64.6841

■ 21.9117, 25.2109,
64.6841

254.7258,
278.8866, 459.9310

■ 13.9083, 16.2343,
46.7553

■ 46.0800, 51.9992,
113.2045

■ 8.1382, 9.6901,
32.4893

■ 62.9755, 70.5796,
144.6331

■ 4.2360, 5.1940,
21.4676

■ 83.5658, 93.1300,
181.3988

■ 1.8365, 2.3615,
13.2716

■ 108.2162,
120.0349, 223.9199

■ 0.5395, 0.8060,
7.4829

■ 137.2920,
151.6786, 272.6152

■ 0.0000, 0.0000,
3.6829

171.1587,

■ 0.0000, 0.0000,

188.4455, 327.9031

1.4531

210.1815,
230.7201, 390.2022

■ 0.0000, 0.0000,
0.1826

■ 0.0000, 0.0000,
0.0000

■ 21.9117, 25.2109,
64.6841

■ 21.9117, 25.2109,
64.6841

■ 21.9100, 25.2072,
64.6840

■ 23.2369, 27.4006,
65.0374

■ 24.9541, 29.8753,
65.4246

■ 27.1780, 32.6959,
65.8518

■ 29.9710, 35.8957,
66.3222

■ 33.3860, 39.5032,
66.8386

■ 37.4695, 43.5436,
67.4032

■ 42.2633, 48.0395,
68.0184

■ 47.8056, 53.0119,
68.6860

■ 54.1317, 58.4800,
69.4080

Harmonies

Analogous

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



17.9631, 25.2109, 53.5727



21.9117, 25.2109, 64.6841



27.0086, 25.2109, 63.5846

Triad

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



21.9117, 25.2109, 64.6841



34.5062, 25.2109, 19.8950



17.4759, 25.2109, 12.5828

Complementary

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



21.9117, 25.2109, 64.6841



28.4147, 17.3737, 1.8571

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.



21.1540, 25.2109, 8.5128



21.9117, 25.2109, 64.6841



31.1673, 25.2109, 11.5955

Square

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



21.9117, 25.2109, 64.6841



34.7850, 25.2109, 33.9539



26.1368, 25.2109, 8.2299



15.6553, 25.2109, 21.8353

Rectangle

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



21.9117, 25.2109, 64.6841



30.3914, 25.2109, 56.0749



26.1368, 25.2109, 8.2299



18.5104, 25.2109, 10.7297

Sweetspot

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



21.9127, 25.2117, 64.6847



65.2920, 74.2781, 105.5036



23.9455, 46.4531, 12.4116



13.2705, 15.2454, 22.4932



0.0000, 0.0000, 0.0000



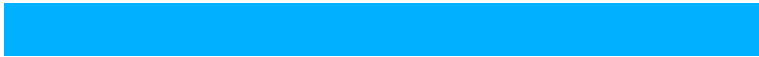
20.3446, 21.4041, 23.3091

Same Dimension

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



21.9127, 25.2117, 64.6847



33.8256, 38.7711, 100.3085



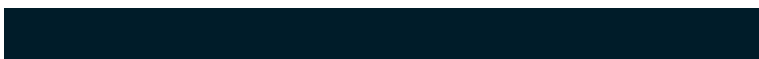
12.4628, 6.3120, 61.5348



11.8416, 12.7734, 15.0851



13.4570, 15.5605, 39.4867



0.8207, 1.0065, 2.2306

Inverse Universe

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



31.7675, 15.7781, 28.5659



49.2028, 24.4451, 43.8614



40.5832, 41.7107, 5.9133



12.1509, 11.9451, 14.0706



19.4232, 9.6421, 17.6665



1.1205, 0.5529, 1.1692

Previews

White Background



This preview shows how the XYZ color 21.9117, 25.2109, 64.6841 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 21.9117, 25.2109, 64.6841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

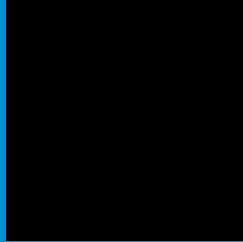
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9117, 25.2109, 64.6841

Background



This preview shows how black text looks on a background with the XYZ color 21.9117, 25.2109, 64.6841.

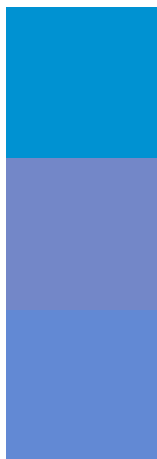


This preview shows how white text looks on a background with the XYZ color 21.9117, 25.2109,

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

21.9117, 25.2109, 64.6841

Protanopia

26.1595, 25.1429, 58.1179

Deuteranopia

25.8663, 25.2415, 65.7961



Tritanopia

17.8391, 25.1008, 38.5551

Trichromacy



Original Color

21.9117, 25.2109, 64.6841



Protanomaly

22.8794, 24.2413, 60.5999



Deuteranomaly

23.1226, 24.4834, 65.1351



Tritanomaly

19.1446, 25.1080, 47.0173

Monochromacy



Original Color

21.9117, 25.2109, 64.6841



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

14.7971, 17.5433, 29.8004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9117, 25.2109, 64.6841 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, 146, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 210)  
}
```

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, 146, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 210) }
```

Border

The CSS property to change the border of an element to XYZ 21.9117, 25.2109, 64.6841 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, 146, 210) }
```


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

```
.border{ border-color:rgb(0, 146, 210) }
```

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

Here you see how a box with a 4 pixel rgb(0, 146, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9117, 25.2109, 64.6841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 210) }
```

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

```
.background{ background-color: rgb(0, 146,  
210) }
```

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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