

Converting Colors

XYZ(19.5085, 24.1124, 56.9638)

Have a look what the booklet for
XYZ(19.5085, 24.1124, 56.9638)
contains.

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Color

**XYZ(20.4719, 24.6350,
57.1021)**

Conversions

Conversions Part 1

Format	Color
Hex	0092C6
RGB	0, 146, 198
RGB Percent	0%, 57%, 78%
CMY	0.9998, 0.4274, 0.2235
CMYK	1.00, 0.26, 0.00, 0.22
HSL	196°, 100%, 39%
HSV	196°, 100%, 78%
XYZ	20.4719, 24.6350, 57.1021
YIQ	108.2740, -103.7080, -14.7800

Conversions

Conversions Part 2

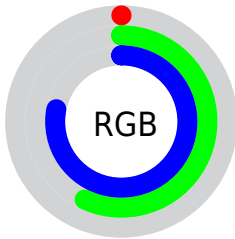
Format	Color
RYB	0, 84, 198
Decimal	37574
CIELab	56.72, -13.72, -35.91
CIElCh	57, 38.442, 249.084
Yxy	24.6350, 0.2003, 0.2410
Android (android.graphics.Color)	4278227654 (0xFF0092C6)
YUV	108.2740, 44.2349, -94.9563
Hunter-Lab	49.6337, -13.2348, -33.4679

Details

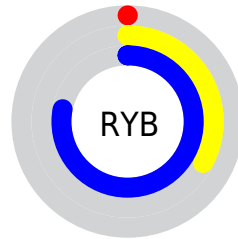
The XYZ color **20.4719, 24.6350, 57.1021** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.5189, 14.4654, 1.5010**, and the grayscale version is **14.2349, 14.9763, 16.3091**.

A 20% lighter version of the original color is **43.7413, 51.1252, 102.1705**, and **9.2169, 10.3794, 27.9032** is the 20% darker color. If you saturate the color by 10%, you get **20.4707, 24.6323, 57.1022**, and if you desaturate by 10%, it is **21.5776, 26.4228, 57.3894**.

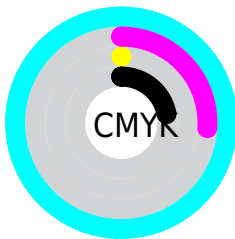
Distribution



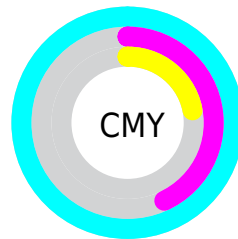
- Red (0%)
- Green (57%)
- Blue (78%)



- Red (0%)
- Yellow (33%)
- Blue (78%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (43%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4719, 24.6350, 57.1021 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 20.4719, 24.6350, 57.1021 by changing the saturation by 10% instead.

■ 20.4719, 24.6350,
57.1021

■ 20.4719, 24.6350,
57.1021

■ 247.2436,
276.0153, 431.3362

■ 12.8488, 15.8053,
40.6773

■ 43.7049, 51.0645,
102.1160

■ 7.4008, 9.3865,
27.7492

■ 60.0455, 69.4330,
131.5421

■ 3.7625, 4.9941,
17.8993

■ 80.0226, 91.7501,
166.1391

■ 1.5687, 2.2438,
10.7090

■ 104.0016,
118.3999, 206.3256

■ 0.3719, 0.7437,
5.7598

■ 132.3478,
149.7669, 252.5200

■ 0.0000, 0.0000,
2.6332

■ 165.4267,

■ 0.0000, 0.0000,

186.2356, 305.1408

0.9095

203.6035,
228.1902, 364.6068

■ 0.0000, 0.0000,
0.0000

■ 20.4719, 24.6350,
57.1021

■ 20.4719, 24.6350,
57.1021

■ 20.4707, 24.6323,
57.1022

■ 21.5776, 26.4228,
57.3894

■ 23.0106, 28.4338,
57.7021

■ 24.8738, 30.7221,
58.0455

■ 27.2207, 33.3161,
58.4225

■ 30.0969, 36.2397,
58.8353

■ 33.5421, 39.5142,
59.2857

■ 37.5924, 43.1588,
59.7757

■ 42.2804, 47.1909,
60.3069

■ 47.6365, 51.6268,
60.8808

Harmonies

Analogous

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



17.3439, 24.6350, 45.5796



20.4719, 24.6350, 57.1021



24.8015, 24.6350, 59.3084

Triad

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



20.4719, 24.6350, 57.1021



32.9939, 24.6350, 23.1134



18.3924, 24.6350, 11.8679

Complementary

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



20.4719, 24.6350, 57.1021



24.5189, 14.4654, 1.5010

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.



22.0808, 24.6350, 9.0916



20.4719, 24.6350, 57.1021



30.7590, 24.6350, 14.0810

Square

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



20.4719, 24.6350, 57.1021



32.4195, 24.6350, 36.6311



26.6271, 24.6350, 9.7467



16.2541, 24.6350, 18.9440

Rectangle

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



20.4719, 24.6350, 57.1021



27.8572, 24.6350, 54.6793



26.6271, 24.6350, 9.7467



19.4717, 24.6350, 10.5227

Sweetspot

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



20.4728, 24.6358, 57.1027



66.2063, 76.1068, 105.8084



20.7604, 40.6150, 9.7100



13.4898, 15.6842, 22.5663



0.0000, 0.0000, 0.0000



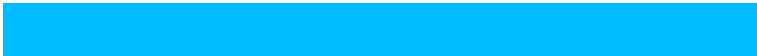
20.3446, 21.4041, 23.3091

Same Dimension

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



20.4728, 24.6358, 57.1027



36.0371, 43.1943, 101.0457



11.3142, 6.3187, 54.0499



10.7019, 11.5778, 13.5882



13.3852, 16.1644, 37.1589



0.6905, 0.8787, 1.7784

Inverse Universe

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



28.4778, 14.0821, 28.4120



50.3191, 24.8916, 49.7398



33.9593, 33.3463, 4.6478



10.9596, 10.7672, 12.7703



18.5556, 9.1718, 18.6674



0.9072, 0.4457, 1.0345

Previews

White Background



This preview shows how the XYZ color 20.4719, 24.6350, 57.1021 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 20.4719, 24.6350, 57.1021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

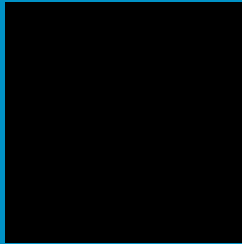
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4719, 24.6350, 57.1021

Background



This preview shows how black text looks on a background with the XYZ color 20.4719, 24.6350, 57.1021.

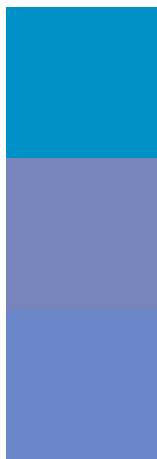


This preview shows how white text looks on a background with the XYZ color 20.4719, 24.6350,

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

20.4719, 24.6350, 57.1021

Protanopia

25.0724, 24.3278, 50.9512

Deuteranopia

25.2700, 24.6708, 58.6884



Tritanopia

17.5882, 24.7419, 38.0311

Trichromacy



Original Color

20.4719, 24.6350, 57.1021

Protanomaly

21.5834, 23.5192, 53.2713

Deuteranomaly

22.0418, 23.8643, 58.0881

Tritanomaly

18.4853, 24.5900, 44.3295

Monochromacy



Original Color

20.4719, 24.6350, 57.1021

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.2215, 17.1074, 27.7518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4719, 24.6350, 57.1021 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 198) }
```

Border

The CSS property to change the border of an element to XYZ 20.4719, 24.6350, 57.1021 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, 198) }
```


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

```
.border{ border-color:rgb(0, 146, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4719, 24.6350, 57.1021 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, 198) }
```

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

```
.background{ background-color: rgb(0, 146,  
198) }
```

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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