

Converting Colors

XYZ(10.0956, 19.8139, 57.9226)

Have a look what the booklet for
XYZ(10.0956, 19.8139, 57.9226)
contains.

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Color

**XYZ(21.0152, 25.3499,
58.4290)**

Conversions

Conversions Part 1

Format	Color
Hex	0094C8
RGB	0, 148, 200
RGB Percent	0%, 58%, 78%
CMY	0.9998, 0.4196, 0.2157
CMYK	1.00, 0.26, 0.00, 0.22
HSL	196°, 100%, 39%
HSV	196°, 100%, 78%
XYZ	21.0152, 25.3499, 58.4290
YIQ	109.6760, -104.9000, -15.2040

Conversions

Conversions Part 2

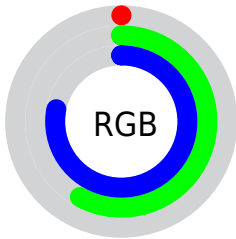
Format	Color
R_{YB}	0, 85, 200
Decimal	38088
CIE _{Lab}	57.41, -14.10, -35.95
CIE _{LCh}	57, 38.613, 248.585
Yxy	25.3499, 0.2005, 0.2419
Android (android.graphics.Color)	4278228168 (0xFF0094C8)
YUV	109.6760, 44.5297, -96.1859
Hunter-Lab	50.3487, -13.6055, -33.5612

Details

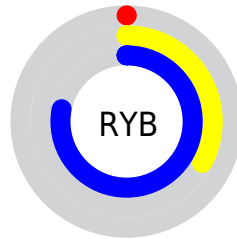
The XYZ color **21.0152, 25.3499, 58.4290** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.0497, 14.7393, 1.5259**, and the grayscale version is **14.6305, 15.3924, 16.7623**.

A 20% lighter version of the original color is **44.3161, 52.1137, 102.3310**, and **9.4630, 10.6247, 28.7461** is the 20% darker color. If you saturate the color by 10%, you get **21.0138, 25.3470, 58.4290**, and if you desaturate by 10%, it is **22.1392, 27.1682, 58.7213**.

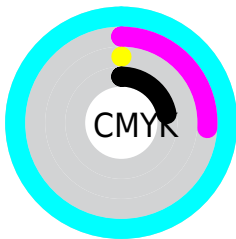
Distribution



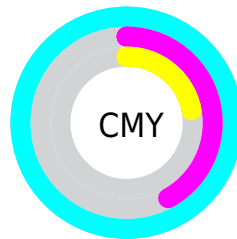
- Red (0%)
- Green (58%)
- Blue (78%)



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



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



- Cyan (100%)
- Magenta (42%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0152, 25.3499, 58.4290 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 21.0152, 25.3499, 58.4290 by changing the saturation by 10% instead.

■ 21.0152, 25.3499,
58.4290

■ 21.0152, 25.3499,
58.4290

250.0894,
279.5760, 436.4254

■ 13.2476, 16.3379,
41.7367

■ 44.6039, 52.2243,
104.0683

■ 7.6775, 9.7636,
28.5711

■ 61.1558, 70.8555,
133.8523

■ 3.9393, 5.2425,
18.5138

■ 81.3665, 93.4619,
168.8372

■ 1.6679, 2.3902,
11.1463

■ 105.6013,
120.4280, 209.4417

■ 0.4360, 0.8209,
6.0499

■ 134.2257,
152.1380, 256.0842

■ 0.0000, 0.0000,
2.8062

167.6049,

■ 0.0000, 0.0000,

188.9764, 309.1833

0.9965

206.1044,
231.3276, 369.1575

■ 0.0000, 0.0000,
0.0000

■ 21.0152, 25.3499,
58.4290

■ 21.0152, 25.3499,
58.4290

■ 21.0138, 25.3470,
58.4290

■ 22.1392, 27.1682,
58.7213

■ 23.5980, 29.2138,
59.0392

■ 25.4963, 31.5418,
59.3885

■ 27.8892, 34.1812,
59.7718

■ 30.8231, 37.1567,
60.1915

■ 34.3389, 40.4899,
60.6496

■ 38.4735, 44.2005,
61.1479

■ 43.2604, 48.3063,
61.6881

■ 48.7307, 52.8242,
62.2718

Harmonies

Analogous

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



17.8364, 25.3499, 46.5434



21.0152, 25.3499, 58.4290



25.4351, 25.3499, 60.8709

Triad

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



21.0152, 25.3499, 58.4290



33.9103, 25.3499, 24.0001



19.0014, 25.3499, 12.1903

Complementary

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



21.0152, 25.3499, 58.4290



25.0497, 14.7393, 1.5259

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.



22.8015, 25.3499, 9.4010



21.0152, 25.3499, 58.4290



31.6675, 25.3499, 14.6548

Square

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



21.0152, 25.3499, 58.4290



33.2737, 25.3499, 37.8904



27.4604, 25.3499, 10.1317



16.7805, 25.3499, 19.3677

Rectangle

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



21.0152, 25.3499, 58.4290



28.5656, 25.3499, 56.2556



27.4604, 25.3499, 10.1317



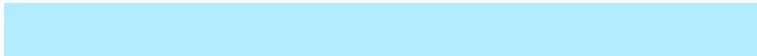
20.1158, 25.3499, 10.8316

Sweetspot

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



21.0161, 25.3508, 58.4296



66.2638, 76.2217, 105.8275



21.2314, 41.5398, 9.9202



13.5036, 15.7118, 22.5709



0.0000, 0.0000, 0.0000



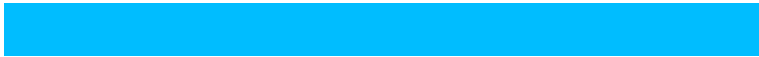
20.3446, 21.4041, 23.3091

Same Dimension

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



21.0161, 25.3508, 58.4296



36.1804, 43.4807, 101.0935



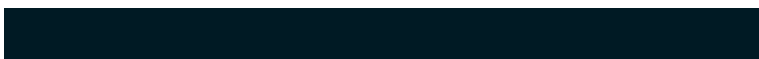
11.5679, 6.4544, 55.2803



10.7043, 11.5826, 13.5890



13.4370, 16.2679, 37.1762



0.6926, 0.8829, 1.7791

Inverse Universe

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



29.1655, 14.4186, 29.2635



50.3914, 24.9205, 50.1204



34.7280, 34.0959, 4.7520



10.9608, 10.7677, 12.7767



18.5817, 9.1822, 18.8050



0.9083, 0.4461, 1.0401

Previews

White Background



This preview shows how the XYZ color 21.0152, 25.3499, 58.4290 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 21.0152, 25.3499, 58.4290 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 21.0152, 25.3499, 58.4290

Background



This preview shows how black text looks on a background with the XYZ color 21.0152, 25.3499, 58.4290.

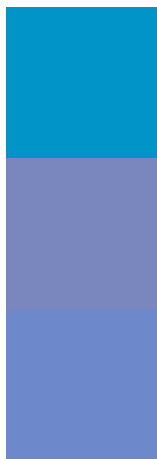


This preview shows how white text looks on a background with the XYZ color 21.0152, 25.3499,

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

21.0152, 25.3499, 58.4290

Protanopia

25.8434, 25.1106, 52.1999

Deuteranopia

25.8903, 25.1713, 59.9939



Tritanopia

18.0921, 25.4628, 39.0832

Trichromacy



Original Color

21.0152, 25.3499, 58.4290

Protanomaly

22.1763, 24.2290, 54.5468

Deuteranomaly

22.4930, 24.2856, 59.3792

Tritanomaly

19.0024, 25.3075, 45.4783

Monochromacy



Original Color

21.0152, 25.3499, 58.4290

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.6914, 17.7006, 28.6288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0152, 25.3499, 58.4290 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, 148, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 200)  
}
```

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, 148, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 200) }
```

Border

The CSS property to change the border of an element to XYZ 21.0152, 25.3499, 58.4290 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, 148, 200) }
```


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

```
.border{ border-color:rgb(0, 148, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0152, 25.3499, 58.4290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 200) }
```

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

```
.background{ background-color: rgb(0, 148,  
200) }
```

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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