

Converting Colors

XYZ(20.4876, 24.8984, 56.3921)

Have a look what the booklet for
XYZ(20.4876, 24.8984, 56.3921)
contains.

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Color

**XYZ(20.5118, 24.8987,
56.5482)**

Conversions

Conversions Part 1

Format	Color
Hex	0093C5
RGB	0, 147, 197
RGB Percent	0%, 58%, 77%
CMY	0.9998, 0.4235, 0.2274
CMYK	1.00, 0.25, 0.00, 0.23
HSL	195°, 100%, 39%
HSV	195°, 100%, 77%
XYZ	20.5118, 24.8987, 56.5482
YIQ	108.7470, -103.6620, -15.6140

Conversions

Conversions Part 2

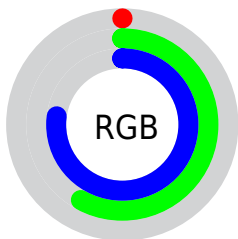
Format	Color
RYB	0, 84, 197
Decimal	37829
CIELab	56.98, -14.64, -34.94
CIELCh	57, 37.885, 247.261
Yxy	24.8987, 0.2012, 0.2442
Android (android.graphics.Color)	4278227909 (0xFF0093C5)
YUV	108.7470, 43.5087, -95.3711
Hunter-Lab	49.8986, -13.9466, -32.2621

Details

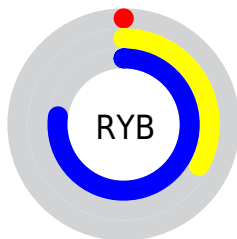
The XYZ color **20.5118, 24.8987, 56.5482** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.1689, 14.1554, 1.4597**, and the grayscale version is **14.3701, 15.1185, 16.4640**.

A 20% lighter version of the original color is **43.8130, 51.5257, 101.4022**, and **9.1408, 10.3489, 27.5024** is the 20% darker color. If you saturate the color by 10%, you get **20.5104, 24.8958, 56.5482**, and if you desaturate by 10%, it is **21.5901, 26.6347, 56.8270**.

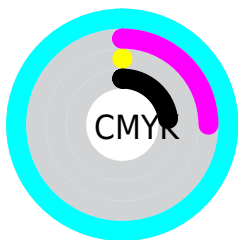
Distribution



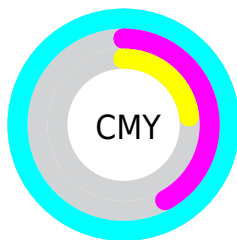
- Red (0%)
- Green (58%)
- Blue (77%)



- Red (0%)
- Yellow (33%)
- Blue (77%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (42%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5118, 24.8987, 56.5482 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 20.5118, 24.8987, 56.5482 by changing the saturation by 10% instead.

■ 20.5118, 24.8987,
56.5482

■ 20.5118, 24.8987,
56.5482

247.4536,
277.3331, 429.2004

■ 12.8780, 16.0016,
40.2357

■ 43.7710, 51.4928,
101.2994

■ 7.4210, 9.5253,
27.4072

■ 60.1272, 69.9587,
130.5752

■ 3.7754, 5.0854,
17.6441

■ 80.1216, 92.3829,
165.0092

■ 1.5759, 2.2974,
10.5280

■ 104.1195,
119.1498, 205.0198

■ 0.3766, 0.7724,
5.6403

■ 132.4863,
150.6439, 251.0258

■ 0.0000, 0.0000,
2.5624

■ 165.5873,

■ 0.0000, 0.0000,

187.2496, 303.4455

0.8729

203.7880,
229.3512, 362.6975

■ 0.0000, 0.0000,
0.0000

■ 20.5118, 24.8987,
56.5482

■ 20.5118, 24.8987,
56.5482

■ 20.5104, 24.8958,
56.5482

■ 21.5901, 26.6347,
56.8270

■ 22.9894, 28.5866,
57.1300

■ 24.8115, 30.8078,
57.4627

■ 27.1094, 33.3264,
57.8277

■ 29.9279, 36.1660,
58.2272

■ 33.3063, 39.3473,
58.6632

■ 37.2799, 42.8893,
59.1375

■ 41.8813, 46.8092,
59.6516

■ 47.1402, 51.1230,
60.2070

Harmonies

Analogous

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



17.4915, 24.8987, 44.8042



20.5118, 24.8987, 56.5482



24.7627, 24.8987, 59.3809

Triad

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



20.5118, 24.8987, 56.5482



33.2014, 24.8987, 24.1316



18.8568, 24.8987, 11.9178

Complementary

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



20.5118, 24.8987, 56.5482



24.1689, 14.1554, 1.4597

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.



22.6011, 24.8987, 9.3515



20.5118, 24.8987, 56.5482



31.1441, 24.8987, 14.8225

Square

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



20.5118, 24.8987, 56.5482



32.4600, 24.8987, 37.7205



27.1269, 24.8987, 10.2164



16.6229, 24.8987, 18.7037

Rectangle

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



20.5118, 24.8987, 56.5482



27.8021, 24.8987, 55.2255



27.1269, 24.8987, 10.2164



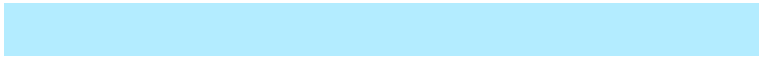
19.9609, 24.8987, 10.6484

Sweetspot

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



20.5127, 24.8995, 56.5488



66.3997, 76.4935, 105.8728



20.5274, 40.1573, 9.6064



13.5363, 15.7771, 22.5818



0.0000, 0.0000, 0.0000



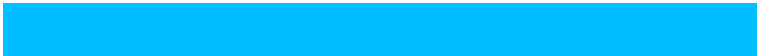
20.3446, 21.4041, 23.3091

Same Dimension

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



20.5127, 24.8995, 56.5488



36.5212, 44.1624, 101.2071



11.1889, 6.2519, 53.4409



10.7100, 11.5940, 13.5909



13.5602, 16.5143, 37.2172



0.6975, 0.8929, 1.7807

Inverse Universe

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



28.2933, 13.9780, 28.8113



50.5634, 24.9894, 51.0264



33.5790, 32.9756, 4.5964



10.9636, 10.7688, 12.7918



18.6439, 9.2071, 19.1324



0.9108, 0.4472, 1.0533

Previews

White Background



This preview shows how the XYZ color 20.5118, 24.8987, 56.5482 looks on a white background.

Color Contrast Check

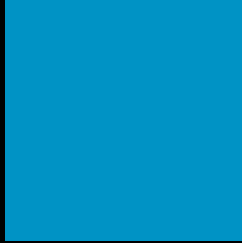
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5118, 24.8987, 56.5482 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

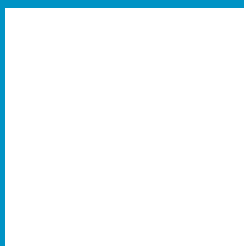
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5118, 24.8987, 56.5482

Background



This preview shows how black text looks on a background with the XYZ color 20.5118, 24.8987, 56.5482.

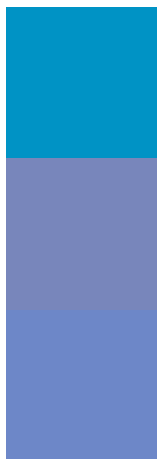


This preview shows how white text looks on a background with the XYZ color 20.5118, 24.8987,

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

20.5118, 24.8987, 56.5482

Protanopia

25.2405, 24.6311, 50.4377

Deuteranopia

25.3960, 24.7493, 58.0822



Tritanopia

17.6775, 24.7776, 38.5012

Trichromacy



Original Color

20.5118, 24.8987, 56.5482

Protanomaly

21.6171, 23.7633, 52.7377

Deuteranomaly

21.9957, 23.8540, 57.4778

Tritanomaly

18.6442, 24.9078, 44.3825

Monochromacy



Original Color

20.5118, 24.8987, 56.5482

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.3449, 17.3542, 27.7929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5118, 24.8987, 56.5482 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, 147, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 197)  
}
```

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, 147, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 197) }
```

Border

The CSS property to change the border of an element to XYZ 20.5118, 24.8987, 56.5482 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, 147, 197) }
```


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

```
.border{ border-color:rgb(0, 147, 197) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5118, 24.8987, 56.5482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 197) }
```

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

```
.background{ background-color: rgb(0, 147,  
197) }
```

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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