

Converting Colors

XYZ(20.6706, 25.2106, 56.6009)

Have a look what the booklet for
XYZ(20.6706, 25.2106, 56.6009)
contains.

XYZ(20.6679, 25.2110, 56.6002)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.6679, 25.2110,
56.6002)**

Conversions

Conversions Part 1

Format	Color
Hex	0094C5
RGB	0, 148, 197
RGB Percent	0%, 58%, 77%
CMY	0.9998, 0.4196, 0.2274
CMYK	1.00, 0.25, 0.00, 0.23
HSL	195°, 100%, 39%
HSV	195°, 100%, 77%
XYZ	20.6679, 25.2110, 56.6002
YIQ	109.3340, -103.9370, -16.1370

Conversions

Conversions Part 2

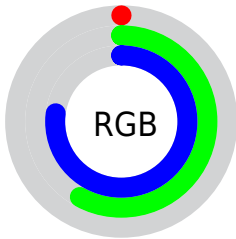
Format	Color
R _{YB}	0, 85, 197
Decimal	38085
CIE _{Lab}	57.28, -15.19, -34.47
CIE _{LCh}	57, 37.666, 246.209
Y _{xy}	25.2110, 0.2017, 0.2460
Android (android.graphics.Color)	4278228165 (0xFF0094C5)
Y _{UV}	109.3340, 43.2193, -95.8859
Hunter-Lab	50.2106, -14.3935, -31.6877

Details

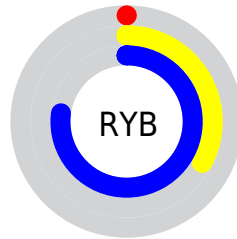
The XYZ color **20.6679, 25.2110, 56.6002** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **24.1263, 14.0703, 1.4454**, and the grayscale version is **14.5364, 15.2935, 16.6546**.

A 20% lighter version of the original color is **44.0469, 51.9935, 101.4802**, and **9.2326, 10.5326, 27.5330** is the 20% darker color. If you saturate the color by 10%, you get **20.6668, 25.2085, 56.6003**, and if you desaturate by 10%, it is **21.7366, 26.9278, 56.8758**.

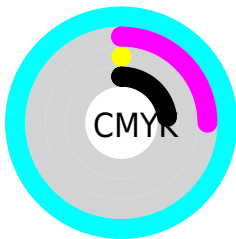
Distribution



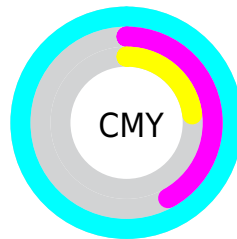
- Red (0%)
- Green (58%)
- Blue (77%)



- 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 20.6679, 25.2110, 56.6002 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 20.6679, 25.2110, 56.6002 by changing the saturation by 10% instead.

■ 20.6679, 25.2110,
56.6002

■ 20.6679, 25.2110,
56.6002

■ 248.2735,
278.8871, 429.4012

■ 12.9925, 16.2343,
40.2771

■ 44.0296, 51.9993,
101.3761

■ 7.5004, 9.6901,
27.4392

■ 60.4467, 70.5798,
130.6661

■ 3.8260, 5.1940,
17.6680

■ 80.5084, 93.1302,
165.1154

■ 1.6042, 2.3615,
10.5450

■ 104.5800,
120.0352, 205.1426

■ 0.3951, 0.8060,
5.6514

■ 133.0270,
151.6789, 251.1662

■ 0.0000, 0.0000,
2.5690

■ 166.2147,

■ 0.0000, 0.0000,

188.4459, 303.6048

0.8764

204.5084,
230.7205, 362.8770

■ 0.0000, 0.0000,
0.0000

■ 20.6679, 25.2110,
56.6002

■ 20.6679, 25.2110,
56.6002

■ 20.6668, 25.2085,
56.6003

■ 21.7366, 26.9278,
56.8758

■ 23.1249, 28.8579,
57.1752

■ 24.9348, 31.0548,
57.5038

■ 27.2191, 33.5464,
57.8643

■ 30.0226, 36.3561,
58.2589

■ 33.3846, 39.5049,
58.6895

■ 37.3405, 43.0115,
59.1578

■ 41.9226, 46.8932,
59.6656

■ 47.1609, 51.1658,
60.2142

Harmonies

Analogous

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



17.6897, 25.2110, 44.6575



20.6679, 25.2110, 56.6002



24.9015, 25.2110, 59.8052

Triad

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



20.6679, 25.2110, 56.6002



33.5346, 25.2110, 24.8798



19.2466, 25.2110, 12.0243

Complementary

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



20.6679, 25.2110, 56.6002



24.1263, 14.0703, 1.4454

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.



23.0470, 25.2110, 9.5627



20.6679, 25.2110, 56.6002



31.5659, 25.2110, 15.3517

Square

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



20.6679, 25.2110, 56.6002



32.6933, 25.2110, 38.5930



27.5894, 25.2110, 10.5568



16.9431, 25.2110, 18.6901

Rectangle

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



20.6679, 25.2110, 56.6002



27.9512, 25.2110, 55.8937



27.5894, 25.2110, 10.5568



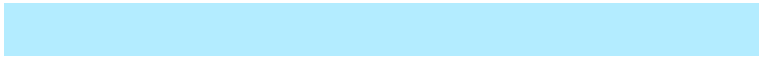
20.3722, 25.2110, 10.7901

Sweetspot

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



20.6688, 25.2119, 56.6008



66.5115, 76.7171, 105.9101



20.4600, 40.1304, 9.2520



13.5632, 15.8309, 22.5908



0.0000, 0.0000, 0.0000



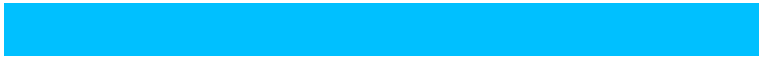
20.3446, 21.4041, 23.3091

Same Dimension

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



20.6688, 25.2119, 56.6008



36.8037, 44.7274, 101.3012



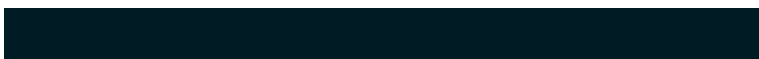
11.3319, 6.5380, 53.4885



10.7146, 11.6033, 13.5924



13.6622, 16.7184, 37.2513



0.7017, 0.9011, 1.7821

Inverse Universe

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



28.3720, 14.0095, 29.2264



50.7060, 25.0464, 51.7773



33.0722, 31.9621, 4.4273



10.9660, 10.7698, 12.8042



18.6954, 9.2277, 19.4036



0.9129, 0.4480, 1.0643

Previews

White Background



This preview shows how the XYZ color 20.6679, 25.2110, 56.6002 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 20.6679, 25.2110, 56.6002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

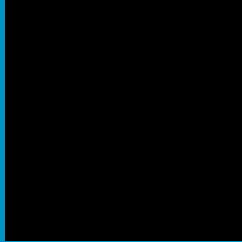
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6679, 25.2110, 56.6002

Background



This preview shows how black text looks on a background with the XYZ color 20.6679, 25.2110, 56.6002.

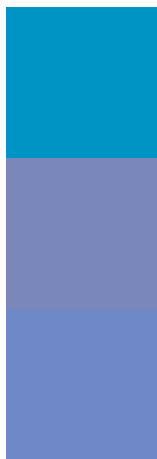


This preview shows how white text looks on a background with the XYZ color 20.6679, 25.2110,

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

20.6679, 25.2110, 56.6002

Protanopia

25.6597, 25.0534, 50.4971

Deuteranopia

25.7850, 25.1580, 58.1405



Tritanopia

17.9291, 25.1368, 39.0289

Trichromacy



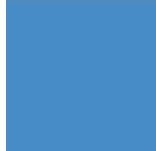
Original Color

20.6679, 25.2110, 56.6002



Protanomaly

21.9239, 24.1375, 52.7937



Deuteranomaly

22.2854, 24.2193, 57.5331



Tritanomaly

18.9031, 25.2678, 44.9552

Monochromacy



Original Color

20.6679, 25.2110, 56.6002



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 20.6679, 25.2110, 56.6002 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 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, 148, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 197) }
```

Border

The CSS property to change the border of an element to XYZ 20.6679, 25.2110, 56.6002 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, 197) }
```


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

```
.border{ border-color:rgb(0, 148, 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, 148, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6679, 25.2110, 56.6002 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, 197) }
```

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

```
.background{ background-color: rgb(0, 148,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor