

Converting Colors

XYZ(20.2121, 23.4711, 59.0014)

Have a look what the booklet for
XYZ(20.2121, 23.4711, 59.0014)
contains.

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Color

**XYZ(20.2156, 23.5630,
58.7410)**

Conversions

Conversions Part 1

Format	Color
Hex	008EC9
RGB	0, 142, 201
RGB Percent	0%, 56%, 79%
CMY	0.9998, 0.4431, 0.2118
CMYK	1.00, 0.29, 0.00, 0.21
HSL	198°, 100%, 39%
HSV	198°, 100%, 79%
XYZ	20.2156, 23.5630, 58.7410
YIQ	106.2680, -103.5710, -11.7550

Conversions

Conversions Part 2

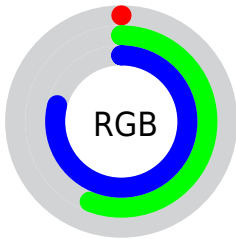
Format	Color
RYB	0, 83, 201
Decimal	36553
CIELab	55.65, -10.37, -39.28
CIELCh	56, 40.628, 255.218
Yxy	23.5630, 0.1972, 0.2298
Android (android.graphics.Color)	4278226633 (0xFF008EC9)
YUV	106.2680, 46.7029, -93.1970
Hunter-Lab	48.5417, -10.6103, -37.7684

Details

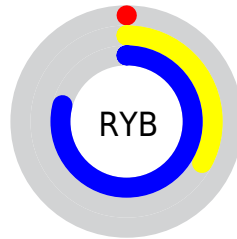
The XYZ color **20.2156, 23.5630, 58.7410** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **25.6541, 15.5502, 1.6507**, and the grayscale version is **13.6732, 14.3853, 15.6656**.

A 20% lighter version of the original color is **42.8269, 49.2965, 101.8657**, and **9.0936, 9.7609, 29.0085** is the 20% darker color. If you saturate the color by 10%, you get **20.2139, 23.5595, 58.7409**, and if you desaturate by 10%, it is **21.4088, 25.5166, 59.0557**.

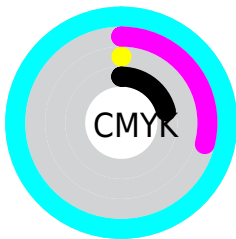
Distribution



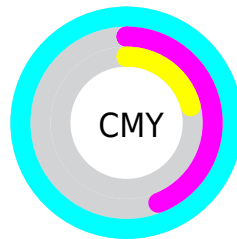
- Red (0%)
- Green (56%)
- Blue (79%)



- Red (0%)
- Yellow (33%)
- Blue (79%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (44%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2156, 23.5630, 58.7410 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 20.2156, 23.5630, 58.7410 by changing the saturation by 10% instead.

■ 20.2156, 23.5630,
58.7410

■ 20.2156, 23.5630,
58.7410

245.8913,
270.6036, 437.6166

■ 12.6610, 15.0098,
41.9860

■ 43.2795, 49.3161,
104.5266

■ 7.2709, 8.8262,
28.7649

■ 59.5196, 67.2848,
134.3942

■ 3.6799, 4.6280,
18.6590

■ 79.3856, 89.1608,
169.4699

■ 1.5227, 2.0307,
11.2498

■ 103.2428,
115.3284, 210.1720

■ 0.3412, 0.6252,
6.1188

■ 131.4567,
146.1722, 256.9192

■ 0.0000, 0.0000,
2.8475

164.3924,

■ 0.0000, 0.0000,

182.0763, 310.1300

1.0173

202.4155,
223.4254, 370.2229

■ 0.0000, 0.0000,
0.0000

■ 20.2156, 23.5630,
58.7410

■ 20.2156, 23.5630,
58.7410

■ 20.2139, 23.5595,
58.7409

■ 21.4088, 25.5166,
59.0557

■ 22.9506, 27.7196,
59.3997

■ 24.9469, 30.2280,
59.7786

■ 27.4535, 33.0716,
60.1954

■ 30.5178, 36.2756,
60.6523

■ 34.1813, 39.8626,
61.1516

■ 38.4816, 43.8526,
61.6951

■ 43.4527, 48.2644,
62.2846

■ 49.1265, 53.1151,
62.9219

Harmonies

Analogous

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



16.7288, 23.5630, 48.1447



20.2156, 23.5630, 58.7410



24.7971, 23.5630, 58.6544

Triad

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



20.2156, 23.5630, 58.7410



32.0534, 23.5630, 19.5685



16.6897, 23.5630, 11.6367

Complementary

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



20.2156, 23.5630, 58.7410



25.6541, 15.5502, 1.6507

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.



20.1550, 23.5630, 8.1615



20.2156, 23.5630, 58.7410



29.2170, 23.5630, 11.5564

Square

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



20.2156, 23.5630, 58.7410



32.0755, 23.5630, 32.6719



24.7276, 23.5630, 8.1383



14.8905, 23.5630, 19.7243

Rectangle

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



20.2156, 23.5630, 58.7410



27.8898, 23.5630, 52.3911



24.7276, 23.5630, 8.1383



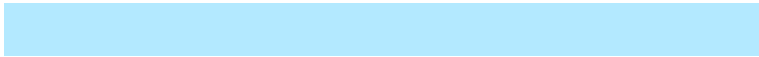
17.6755, 23.5630, 10.0345

Sweetspot

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



20.2165, 23.5638, 58.7416



65.5339, 74.7620, 105.5842



21.6255, 42.0692, 10.8490



13.3285, 15.3614, 22.5125



0.0000, 0.0000, 0.0000



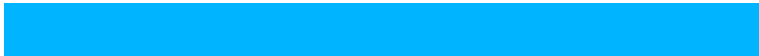
20.3446, 21.4041, 23.3091

Same Dimension

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



20.2165, 23.5638, 58.7416



34.3982, 39.9164, 100.4994



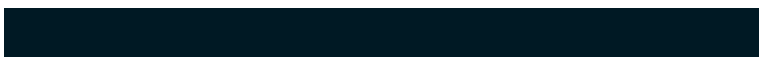
11.4286, 5.9880, 55.8123



10.6736, 11.5212, 13.5788



12.7921, 14.9782, 36.9612



0.6662, 0.8302, 1.7703

Inverse Universe

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



28.9707, 14.3716, 26.8388



49.4918, 24.5607, 45.3835



36.2229, 36.6878, 5.1736



10.9453, 10.7615, 12.6950



18.2562, 9.0520, 17.0909



0.8950, 0.4408, 0.9700

Previews

White Background



This preview shows how the XYZ color 20.2156, 23.5630, 58.7410 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 20.2156, 23.5630, 58.7410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

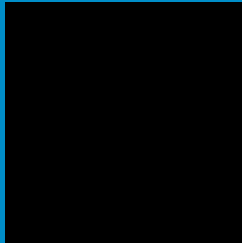
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2156, 23.5630, 58.7410

Background



This preview shows how black text looks on a background with the XYZ color 20.2156, 23.5630, 58.7410.

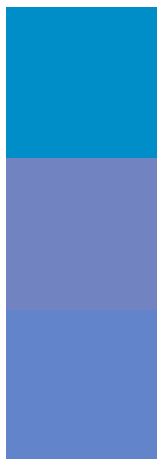


This preview shows how white text looks on a background with the XYZ color 20.2156, 23.5630,

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

20.2156, 23.5630, 58.7410

Protanopia

24.4408, 23.5491, 53.1264

Deuteranopia

24.0678, 23.4110, 59.7502



Tritanopia

16.8479, 23.6830, 36.4842

Trichromacy



Original Color

20.2156, 23.5630, 58.7410



Protanomaly

21.1868, 22.6458, 54.8842



Deuteranomaly

21.4514, 22.8967, 59.1660



Tritanomaly

17.9189, 23.6138, 43.6579

Monochromacy



Original Color

20.2156, 23.5630, 58.7410



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

13.7193, 16.3100, 27.6244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2156, 23.5630, 58.7410 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, 142, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 201)  
}
```

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, 142, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 201) }
```

Border

The CSS property to change the border of an element to XYZ 20.2156, 23.5630, 58.7410 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, 142, 201) }
```


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

```
.border{ border-color:rgb(0, 142, 201) }
```

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

Here you see how a box with a 4 pixel rgb(0, 142, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2156, 23.5630, 58.7410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 201) }
```

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

```
.background{ background-color: rgb(0, 142,  
201) }
```

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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