

Converting Colors

XYZ(12.4367, 19.6687, 51.3998)

Have a look what the booklet for
XYZ(12.4367, 19.6687, 51.3998)
contains.

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Color

**XYZ(18.8583, 23.0201,
51.5935)**

Conversions

Conversions Part 1

Format	Color
Hex	008EBD
RGB	0, 142, 189
RGB Percent	0%, 56%, 74%
CMY	0.9998, 0.4431, 0.2588
CMYK	1.00, 0.25, 0.00, 0.26
HSL	195°, 100%, 37%
HSV	195°, 100%, 74%
XYZ	18.8583, 23.0201, 51.5935
YIQ	104.9000, -99.7190, -15.4870

Conversions

Conversions Part 2

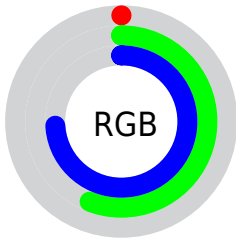
Format	Color
R_{YB}	0, 81, 189
Decimal	36541
CIE _{Lab}	55.09, -14.81, -33.35
CIE _{LCh}	55, 36.489, 246.053
Yxy	23.0201, 0.2018, 0.2463
Android (android.graphics.Color)	4278226621 (0xFF008EBD)
YUV	104.9000, 41.4613, -91.9973
Hunter-Lab	47.9793, -13.8041, -30.1708

Details

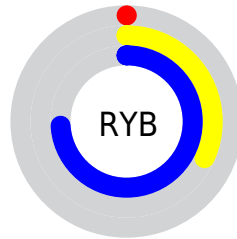
The XYZ color **18.8583, 23.0201, 51.5935** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.0047, 12.8551, 1.3226**, and the grayscale version is **13.3144, 14.0078, 15.2545**.

A 20% lighter version of the original color is **41.0452, 48.5592, 93.5958**, and **8.2003, 9.4036, 24.3045** is the 20% darker color. If you saturate the color by 10%, you get **18.8572, 23.0177, 51.5936**, and if you desaturate by 10%, it is **19.8403, 24.5870, 51.8447**.

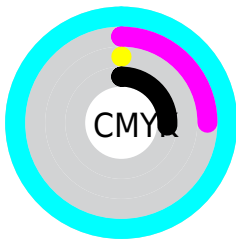
Distribution



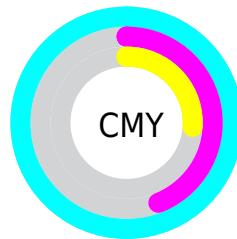
- Red (0%)
- Green (56%)
- Blue (74%)



- Red (0%)
- Yellow (32%)
- Blue (74%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (44%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8583, 23.0201, 51.5935 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 18.8583, 23.0201, 51.5935 by changing the saturation by 10% instead.

■ 18.8583, 23.0201,
51.5935

■ 18.8583, 23.0201,
51.5935

■ 238.6185,
267.8282, 409.7775

■ 11.6713, 14.6083,
36.3012

■ 41.0132, 48.4263,
93.9519

■ 6.5909, 8.5450,
24.3753

■ 56.7119, 66.1896,
121.8551

■ 3.2516, 4.4456,
15.3975

■ 75.9786, 87.8388,
154.7990

■ 1.2882, 1.9258,
8.9491

■ 99.1785, 113.7584,
193.2020

■ 0.1744, 0.5638,
4.6117

■ 126.6772,
144.3328, 237.4829

■ 0.0000, 0.0000,
1.9665

■ 158.8398,

■ 0.0000, 0.0000,

179.9462, 288.0601

0.5346

196.0318,
220.9833, 345.3521

■ 0.0000, 0.0000,
0.0000

■ 18.8583, 23.0201,
51.5935

■ 18.8583, 23.0201,
51.5935

■ 18.8572, 23.0177,
51.5936

■ 19.8403, 24.5870,
51.8447

■ 21.1105, 26.3465,
52.1173

■ 22.7639, 28.3483,
52.4166

■ 24.8482, 30.6176,
52.7447

■ 27.4036, 33.1757,
53.1038

■ 30.4657, 36.0412,
53.4955

■ 34.0664, 39.2312,
53.9215

■ 38.2349, 42.7612,
54.3831

■ 42.9981, 46.6456,
54.8818

Harmonies

Analogous

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



16.1496, 23.0201, 40.6821



18.8583, 23.0201, 51.5935



22.7145, 23.0201, 54.5647

Triad

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



18.8583, 23.0201, 51.5935



30.6091, 23.0201, 22.7778



17.5947, 23.0201, 10.9737

Complementary

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



18.8583, 23.0201, 51.5935



22.0047, 12.8551, 1.3226

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.



21.0660, 23.0201, 8.7444



18.8583, 23.0201, 51.5935



28.8269, 23.0201, 14.0641

Square

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



18.8583, 23.0201, 51.5935



29.8288, 23.0201, 35.2927



25.2082, 23.0201, 9.6682



15.4858, 23.0201, 17.0328

Rectangle

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



18.8583, 23.0201, 51.5935



25.4954, 23.0201, 51.0329



25.2082, 23.0201, 9.6682



18.6235, 23.0201, 9.8536

Sweetspot

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



18.8591, 23.0209, 51.5941



60.6657, 69.9622, 96.5328



18.6553, 36.5786, 8.4729



12.4398, 14.5142, 20.6884



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.8591, 23.0209, 51.5941



33.5732, 40.8249, 92.3367



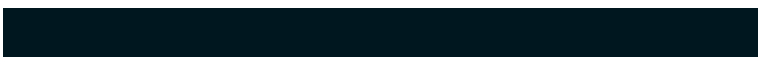
10.3449, 5.9925, 48.7560



9.6022, 10.3966, 12.1729



12.7505, 15.6126, 34.7344



0.5483, 0.7092, 1.3768

Inverse Universe

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



25.8695, 12.7728, 26.6937



46.2290, 22.8335, 47.2700



30.1631, 29.1718, 4.0421



9.8258, 9.6546, 11.4716



17.4366, 8.6058, 18.1246



0.7076, 0.3470, 0.8397

Previews

White Background



This preview shows how the XYZ color 18.8583, 23.0201, 51.5935 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 18.8583, 23.0201, 51.5935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

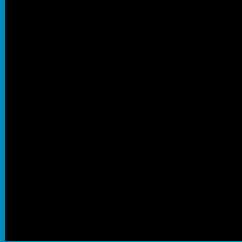
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8583, 23.0201, 51.5935

Background



This preview shows how black text looks on a background with the XYZ color 18.8583, 23.0201, 51.5935.

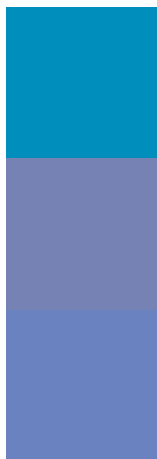


This preview shows how white text looks on a background with the XYZ color 18.8583, 23.0201,

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

18.8583, 23.0201, 51.5935

Protanopia

23.4554, 23.0018, 45.8514

Deuteranopia

23.4409, 22.8352, 53.0413



Tritanopia

16.3647, 22.9921, 35.4737

Trichromacy



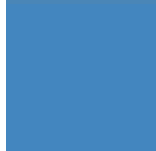
Original Color

18.8583, 23.0201, 51.5935



Protanomaly

19.8964, 21.9249, 47.9830



Deuteranomaly

20.2438, 22.0051, 52.4707



Tritanomaly

17.2868, 23.1154, 41.0867

Monochromacy



Original Color

18.8583, 23.0201, 51.5935



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

13.2371, 15.9277, 25.6692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8583, 23.0201, 51.5935 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 189) }
```

Border

The CSS property to change the border of an element to XYZ 18.8583, 23.0201, 51.5935 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, 189) }
```


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

```
.border{ border-color:rgb(0, 142, 189) }
```

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, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8583, 23.0201, 51.5935 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, 189) }
```

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

```
.background{ background-color: rgb(0, 142,  
189) }
```

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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