

Converting Colors

XYZ(20.7248, 23.1424, 63.3473)

Have a look what the booklet for
XYZ(20.7248, 23.1424, 63.3473)
contains.

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Color

**XYZ(20.6178, 23.0193,
63.0310)**

Conversions

Conversions Part 1

Format	Color
Hex	008BD0
RGB	0, 139, 208
RGB Percent	0%, 55%, 82%
CMY	0.9998, 0.4549, 0.1843
CMYK	1.00, 0.33, 0.00, 0.18
HSL	200°, 100%, 41%
HSV	200°, 100%, 82%
XYZ	20.6178, 23.0193, 63.0310
YIQ	105.3050, -104.9930, -8.0090

Conversions

Conversions Part 2

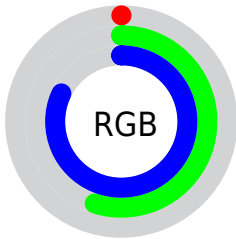
Format	Color
R _Y B	0, 83, 208
Decimal	35792
CIE Lab	55.09, -6.01, -44.11
CIE LCh	55, 44.518, 262.247
Yxy	23.0193, 0.1933, 0.2158
Android (android.graphics.Color)	4278225872 (0xFF008BD0)
YUV	105.3050, 50.6286, -92.3525
Hunter-Lab	47.9784, -7.2553, -44.3065

Details

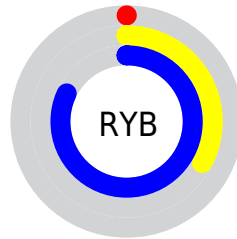
The XYZ color **20.6178, 23.0193, 63.0310** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **28.1441, 17.6725, 1.9292**, and the grayscale version is **13.4016, 14.0995, 15.3544**.

A 20% lighter version of the original color is **42.1552, 47.6286, 101.5792**, and **9.3221, 9.4447, 31.4687** is the 20% darker color. If you saturate the color by 10%, you get **20.6157, 23.0149, 63.0308**, and if you desaturate by 10%, it is **21.9553, 25.2397, 63.3896**.

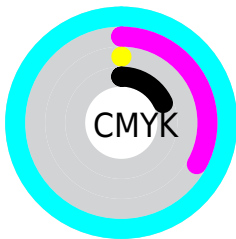
Distribution



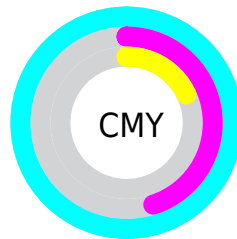
- Red (0%)
- Green (55%)
- Blue (82%)



- Red (0%)
- Yellow (33%)
- Blue (82%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (45%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6178, 23.0193, 63.0310 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 20.6178, 23.0193, 63.0310 by changing the saturation by 10% instead.

■ 20.6178, 23.0193,
63.0310

■ 20.6178, 23.0193,
63.0310

248.0106,
267.8241, 453.7930

■ 12.9558, 14.6078,
45.4251

■ 43.9467, 48.4250,
110.8002

■ 7.4749, 8.5446,
31.4470

■ 60.3442, 66.1880,
141.8007

■ 3.8098, 4.4453,
20.6782

■ 80.3843, 87.8369,
178.1031

■ 1.5951, 1.9257,
12.7000

■ 104.4323,
113.7561, 220.1259

■ 0.3892, 0.5637,
7.0940

■ 132.8536,
144.3300, 268.2878

■ 0.0000, 0.0000,
3.4416

166.0135,

■ 0.0000, 0.0000,

179.9431, 323.0073

1.3243

204.2774,
220.9796, 384.7028

■ 0.0000, 0.0000,
0.0816

■ 0.0000, 0.0000,
0.0000

■ 20.6178, 23.0193,
63.0310

■ 20.6178, 23.0193,
63.0310

■ 20.6157, 23.0149,
63.0308

■ 21.9553, 25.2397,
63.3896

■ 23.6851, 27.7575,
63.7844

■ 25.9201, 30.6327,
64.2216

■ 28.7216, 33.8984,
64.7043

■ 32.1415, 37.5830,
65.2352

■ 36.2252, 41.7115,
65.8169

■ 41.0140, 46.3065,
66.4514

■ 46.5453, 51.3889,
67.1409

■ 52.8538, 56.9778,
67.8871

Harmonies

Analogous

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



16.5447, 23.0193, 53.4512



20.6178, 23.0193, 63.0310



25.6916, 23.0193, 59.7904

Triad

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



20.6178, 23.0193, 63.0310



31.9451, 23.0193, 16.0812



15.1725, 23.0193, 11.7860

Complementary

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



20.6178, 23.0193, 63.0310



28.1441, 17.6725, 1.9292

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.



18.4638, 23.0193, 7.3322



20.6178, 23.0193, 63.0310



28.2523, 23.0193, 9.0785

Square

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



20.6178, 23.0193, 63.0310



32.7532, 23.0193, 28.9317



23.1909, 23.0193, 6.5741



13.7254, 23.0193, 21.5575

Rectangle

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



20.6178, 23.0193, 63.0310



28.9370, 23.0193, 51.2028



23.1909, 23.0193, 6.5741



16.0738, 23.0193, 9.7961

Sweetspot

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



20.6187, 23.0200, 63.0316



64.7153, 73.1248, 105.3114



23.5371, 45.5046, 12.6817



13.1324, 14.9694, 22.4472



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.



20.6187, 23.0200, 63.0316



32.4978, 36.1156, 99.8659



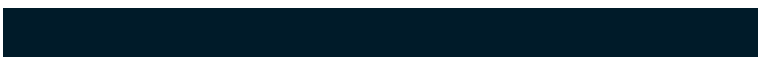
12.0846, 5.9518, 60.1869



11.8141, 12.7185, 15.0759



12.9406, 14.5278, 39.3146



0.7947, 0.9546, 2.2219

Inverse Universe

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



30.6735, 15.2752, 25.7583



48.5326, 24.1770, 40.3322



40.3645, 42.1133, 6.0027



12.1371, 11.9396, 13.9976



19.1625, 9.5379, 16.2940



1.1074, 0.5477, 1.1002

Previews

White Background



This preview shows how the XYZ color 20.6178, 23.0193, 63.0310 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 20.6178, 23.0193, 63.0310 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 20.6178, 23.0193, 63.0310

Background



This preview shows how black text looks on a background with the XYZ color 20.6178, 23.0193, 63.0310.

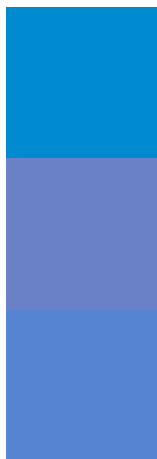


This preview shows how white text looks on a background with the XYZ color 20.6178, 23.0193,

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

20.6178, 23.0193, 63.0310

Protanopia

24.2225, 22.9498, 57.1859

Deuteranopia

23.7219, 23.1341, 64.1878



Tritanopia

16.3647, 22.9921, 35.4737

Trichromacy



Original Color

20.6178, 23.0193, 63.0310

Protanomaly

21.4321, 22.2683, 59.0457

Deuteranomaly

21.7481, 22.7436, 63.5653

Tritanomaly

17.6589, 22.7795, 44.5405

Monochromacy



Original Color

20.6178, 23.0193, 63.0310

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.5585, 15.8689, 27.9396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6178, 23.0193, 63.0310 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, 139, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 208)  
}
```

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, 139, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 208) }
```

Border

The CSS property to change the border of an element to XYZ 20.6178, 23.0193, 63.0310 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, 139, 208) }
```


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

```
.border{ border-color:rgb(0, 139, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6178, 23.0193, 63.0310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 208) }
```

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

```
.background{ background-color: rgb(0, 139,  
208) }
```

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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