

Converting Colors

XYZ(19.0546, 23.0188, 52.8734)

Have a look what the booklet for
XYZ(19.0546, 23.0188, 52.8734)
contains.

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Color

**XYZ(19.0770, 23.1076,
52.7450)**

Conversions

Conversions Part 1

Format	Color
Hex	008EBF
RGB	0, 142, 191
RGB Percent	0%, 56%, 75%
CMY	0.9998, 0.4431, 0.2510
CMYK	1.00, 0.26, 0.00, 0.25
HSL	195°, 100%, 37%
HSV	195°, 100%, 75%
XYZ	19.0770, 23.1076, 52.7450
YIQ	105.1280, -100.3610, -14.8650

Conversions

Conversions Part 2

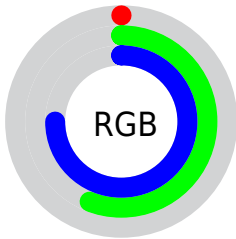
Format	Color
RYB	0, 81, 191
Decimal	36543
CIELab	55.18, -14.08, -34.34
CIELCh	55, 37.117, 247.715
Yxy	23.1076, 0.2010, 0.2434
Android (android.graphics.Color)	4278226623 (0xFF008EBF)
YUV	105.1280, 42.3349, -92.1973
Hunter-Lab	48.0704, -13.2844, -31.4064

Details

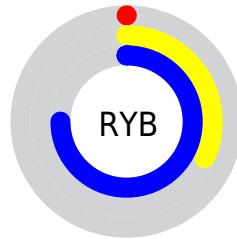
The XYZ color **19.0770, 23.1076, 52.7450** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.5863, 13.2766, 1.3734**, and the grayscale version is **13.3740, 14.0704, 15.3227**.

A 20% lighter version of the original color is **41.5071, 48.7440, 96.0278**, and **8.3425, 9.4604, 25.0533** is the 20% darker color. If you saturate the color by 10%, you get **19.0757, 23.1049, 52.7450**, and if you desaturate by 10%, it is **20.0940, 24.7387, 53.0067**.

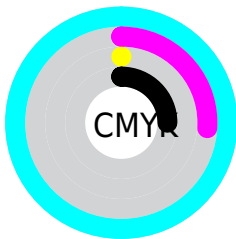
Distribution



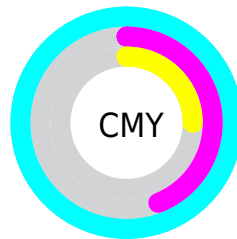
- Red (0%)
- Green (56%)
- Blue (75%)



- Red (0%)
- Yellow (32%)
- Blue (75%)



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



- Cyan (100%)
- Magenta (44%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0770, 23.1076, 52.7450 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 19.0770, 23.1076, 52.7450 by changing the saturation by 10% instead.

■ 19.0770, 23.1076,
52.7450

■ 19.0770, 23.1076,
52.7450

■ 239.8035,
268.2772, 414.3445

■ 11.8303, 14.6730,
37.2129

■ 41.3800, 48.5699,
95.6668

■ 6.6996, 8.5902,
25.0753

■ 57.1671, 66.3665,
123.8935

■ 3.3196, 4.4749,
15.9136

■ 76.5315, 88.0524,
157.1890

■ 1.3249, 1.9426,
9.3094

■ 99.8388, 114.0121,
195.9715

■ 0.2018, 0.5738,
4.8440

■ 127.4543,
144.6301, 240.6599

■ 0.0000, 0.0000,
2.0989

■ 159.7434,

■ 0.0000, 0.0000,

180.2907, 291.6724

0.6151

197.0713,
221.3782, 349.4278

■ 0.0000, 0.0000,
0.0000

■ 19.0770, 23.1076,
52.7450

■ 19.0770, 23.1076,
52.7450

■ 19.0757, 23.1049,
52.7450

■ 20.0940, 24.7387,
53.0067

■ 21.4087, 26.5711,
53.2911

■ 23.1180, 28.6557,
53.6034

■ 25.2708, 31.0182,
53.9459

■ 27.9084, 33.6807,
54.3208

■ 31.0674, 36.6623,
54.7298

■ 34.7805, 39.9806,
55.1746

■ 39.0777, 43.6517,
55.6567

■ 43.9869, 47.6902,
56.1775

Harmonies

Analogous

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



16.2419, 23.1076, 41.8674



19.0770, 23.1076, 52.7450



23.0506, 23.1076, 55.2376

Triad

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



19.0770, 23.1076, 52.7450



30.8463, 23.1076, 22.2185



17.4391, 23.1076, 11.0779

Complementary

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



19.0770, 23.1076, 52.7450



22.5863, 13.2766, 1.3734

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.



20.9103, 23.1076, 8.6414



19.0770, 23.1076, 52.7450



28.8911, 23.1076, 13.6201

Square

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



19.0770, 23.1076, 52.7450



30.1948, 23.1076, 34.8475



25.1265, 23.1076, 9.3973



15.3825, 23.1076, 17.4585

Rectangle

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



19.0770, 23.1076, 52.7450



25.8825, 23.1076, 51.2622



25.1265, 23.1076, 9.3973



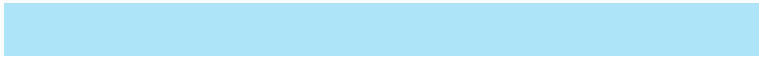
18.4608, 23.1076, 9.8793

Sweetspot

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



19.0778, 23.1084, 52.7456



61.9368, 71.2950, 98.7760



19.1605, 37.4739, 8.9960



12.9548, 15.0849, 21.6142



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



19.0778, 23.1084, 52.7456



33.9584, 40.9686, 94.3971



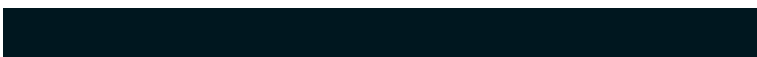
10.4526, 5.8580, 49.8705



9.5957, 10.3838, 12.1707



12.6037, 15.3190, 34.6855



0.5435, 0.6997, 1.3753

Inverse Universe

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



26.3691, 13.0304, 26.7171



47.1206, 23.2936, 47.2946



31.3480, 30.8000, 4.2940



9.8225, 9.6533, 11.4545



17.3625, 8.5762, 17.7344



0.7052, 0.3460, 0.8271

Previews

White Background



This preview shows how the XYZ color 19.0770, 23.1076, 52.7450 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 19.0770, 23.1076, 52.7450 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

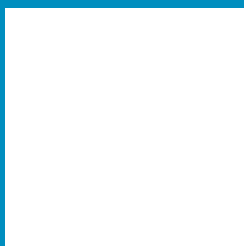
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0770, 23.1076, 52.7450

Background



This preview shows how black text looks on a background with the XYZ color 19.0770, 23.1076, 52.7450.

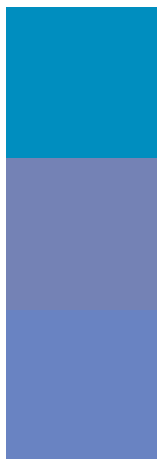


This preview shows how white text looks on a background with the XYZ color 19.0770, 23.1076,

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

19.0770, 23.1076, 52.7450

Protanopia

23.5256, 23.0145, 46.9184

Deuteranopia

23.6796, 23.1309, 54.2556



Tritanopia

16.3647, 22.9921, 35.4737

Trichromacy



Original Color

19.0770, 23.1076, 52.7450

Protanomaly

20.1061, 22.0088, 49.0874

Deuteranomaly

20.6044, 22.3715, 53.6842

Tritanomaly

17.2868, 23.1154, 41.0867

Monochromacy



Original Color

19.0770, 23.1076, 52.7450

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 19.0770, 23.1076, 52.7450 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 191) }
```

Border

The CSS property to change the border of an element to XYZ 19.0770, 23.1076, 52.7450 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, 191) }
```


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

```
.border{ border-color:rgb(0, 142, 191) }
```

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, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0770, 23.1076, 52.7450 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, 191) }
```

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

```
.background{ background-color: rgb(0, 142,  
191) }
```

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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