

Converting Colors

XYZ(18.7951, 23.3223, 48.6389)

Have a look what the booklet for
XYZ(18.7951, 23.3223, 48.6389)
contains.

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Color

**XYZ(18.8051, 23.2762,
48.8490)**

Conversions

Conversions Part 1

Format	Color
Hex	168FB8
RGB	22, 143, 184
RGB Percent	9%, 56%, 72%
CMY	0.9136, 0.4392, 0.2784
CMYK	0.88, 0.22, 0.00, 0.28
HSL	195°, 79%, 40%
HSV	195°, 88%, 72%
XYZ	18.8051, 23.2762, 48.8490
YIQ	111.4950, -85.2770, -12.9010

Conversions

Conversions Part 2

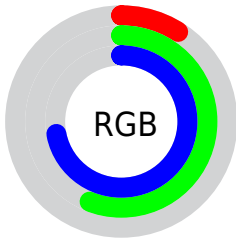
Format	Color
RYB	22, 91, 184
Decimal	1478584
CIELab	55.36, -16.22, -30.08
CIELCh	55, 34.173, 241.669
Yxy	23.2762, 0.2068, 0.2560
Android (android.graphics.Color)	4279668664 (0xFF168FB8)
YUV	111.4950, 35.7450, -78.4871
Hunter-Lab	48.2454, -14.8537, -26.2600

Details

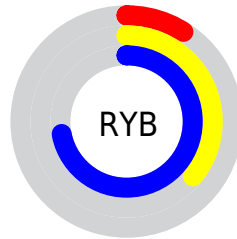
The XYZ color **18.8051, 23.2762, 48.8490** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.6911, 13.8059, 2.2817**, and the grayscale version is **15.1725, 15.9626, 17.3833**.

A 20% lighter version of the original color is **40.9500, 48.9331, 89.7248**, and **8.0111, 9.4674, 22.8779** is the 20% darker color. If you saturate the color by 10%, you get **17.8351, 21.7601, 48.6079**, and if you desaturate by 10%, it is **20.0799, 24.9934, 49.1137**.

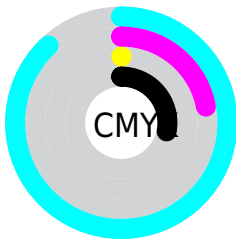
Distribution



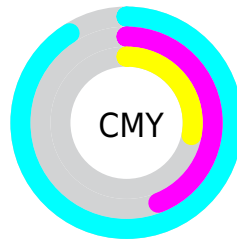
- Red (9%)
- Green (56%)
- Blue (72%)



- Red (9%)
- Yellow (36%)
- Blue (72%)



- Cyan (88%)
- Magenta (22%)
- Yellow (0%)
- Black (28%)



- Cyan (91%)
- Magenta (44%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8051, 23.2762, 48.8490 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 18.8051, 23.2762, 48.8490 by changing the saturation by 10% instead.

■ 18.8051, 23.2762,
48.8490

■ 18.8051, 23.2762,
48.8490

■ 238.3295,
269.1405, 398.7529

■ 11.6327, 14.7976,
34.1350

■ 40.9239, 48.8465,
89.8458

■ 6.5645, 8.6774,
22.7191

■ 56.6011, 66.7069,
116.9657

■ 3.2352, 4.5314,
14.1829

■ 75.8438, 88.4634,
149.0578

■ 1.2793, 1.9750,
8.1078

■ 99.0176, 114.5003,
186.5409

■ 0.1677, 0.5929,
4.0752

■ 126.4877,
145.2021, 229.8334

■ 0.0000, 0.0000,
1.6667

■ 158.6194,

■ 0.0000, 0.0000,

180.9531, 279.3539

0.3378

195.7783,
222.1378, 335.5209

■ 0.0000, 0.0000,
0.0000

■ 18.8051, 23.2762,
48.8490

■ 18.8051, 23.2762,
48.8490

■ 17.8351, 21.7601,
48.6079

■ 20.0799, 24.9934,
49.1137

■ 17.6584, 21.4738,
48.5620

■ 21.7246, 26.9444,
49.4036

■ 23.7829, 29.1528,
49.7214

■ 26.2915, 31.6380,
50.0689

■ 29.2829, 34.4171,
50.4476

■ 32.7865, 37.5057,
50.8592

■ 36.8291, 40.9183,
51.3048

■ 41.4358, 44.6682,
51.7858

■ 46.6299, 48.7678,
52.3033

Harmonies

Analogous

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



16.4220, 23.2762, 38.1273



18.8051, 23.2762, 48.8490



22.3388, 23.2762, 52.8578

Triad

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



18.8051, 23.2762, 48.8490



30.3434, 23.2762, 24.7336



18.4732, 23.2762, 11.2839

Complementary

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



18.8051, 23.2762, 48.8490



21.6911, 13.8059, 2.2817

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.



21.9092, 23.2762, 9.5524



18.8051, 23.2762, 48.8490



29.0117, 23.2762, 15.7943

Square

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



18.8051, 23.2762, 48.8490



29.2698, 23.2762, 36.7453



25.8106, 23.2762, 10.9289



16.2465, 23.2762, 16.5846

Rectangle

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



18.8051, 23.2762, 48.8490



24.9595, 23.2762, 50.4729



25.8106, 23.2762, 10.9289



19.5106, 23.2762, 10.3476

Sweetspot

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



18.8059, 23.2770, 48.8496



60.5369, 68.9362, 92.3200



18.3558, 34.8057, 10.3829



12.5458, 14.4260, 19.8449



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



18.8059, 23.2770, 48.8496



31.8094, 38.5251, 87.9642



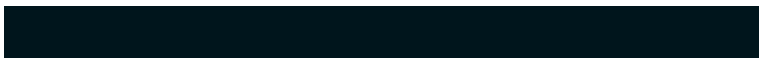
10.7341, 7.1333, 46.1590



9.0690, 9.8153, 11.4960



12.2286, 14.9170, 33.4878



0.4775, 0.6186, 1.1960

Inverse Universe

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



25.0128, 12.7483, 27.1297



43.9730, 21.7286, 44.5393



29.8110, 30.0457, 4.9884



9.2812, 9.1228, 10.8281



16.7861, 8.2882, 17.2924



0.6152, 0.3015, 0.7328

Previews

White Background



This preview shows how the XYZ color 18.8051, 23.2762, 48.8490 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 18.8051, 23.2762, 48.8490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

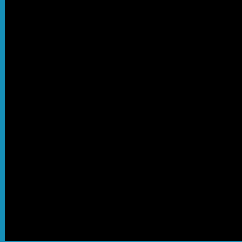
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8051, 23.2762, 48.8490

Background



This preview shows how black text looks on a background with the XYZ color 18.8051, 23.2762, 48.8490.

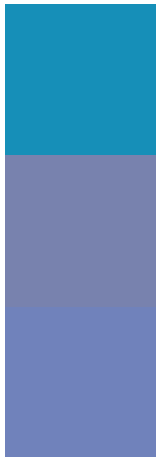


This preview shows how white text looks on a background with the XYZ color 18.8051, 23.2762,

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

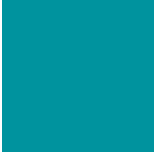
18.8051, 23.2762, 48.8490

Protanopia

23.3683, 23.0143, 43.2550

Deuteranopia

23.6344, 22.9979, 50.2071



Tritanopia

16.6053, 23.3361, 35.9769

Trichromacy



Original Color

18.8051, 23.2762, 48.8490

Protanomaly

20.3560, 22.4271, 45.3755

Deuteranomaly

20.7513, 22.5354, 49.7104

Tritanomaly

17.3541, 23.3994, 40.1611

Monochromacy



Original Color

18.8051, 23.2762, 48.8490

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.8949, 17.6632, 26.6690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8051, 23.2762, 48.8490 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(22, 143, 184)` looks like.

```
.text, #text, p{  
    color:rgb(22, 143, 184)  
}
```

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(22, 143, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 143, 184) }
```

Border

The CSS property to change the border of an element to XYZ 18.8051, 23.2762, 48.8490 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(22, 143, 184) }
```


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

```
.border{ border-color:rgb(22, 143, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 143, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 143, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 143, 184);  
box-shadow:4px 4px 4px 4px rgb(22, 143,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8051, 23.2762, 48.8490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 143, 184) }
```

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

```
.background{ background-color: rgb(22, 143,  
184) }
```

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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