

Converting Colors

XYZ(18.7628, 23.1353, 44.6314)

Have a look what the booklet for
XYZ(18.7628, 23.1353, 44.6314)
contains.

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Color

**XYZ(18.7284, 23.1090,
44.5477)**

Conversions

Conversions Part 1

Format	Color
Hex	308EB0
RGB	48, 142, 176
RGB Percent	19%, 56%, 69%
CMY	0.8117, 0.4431, 0.3098
CMYK	0.73, 0.19, 0.00, 0.31
HSL	196°, 57%, 44%
HSV	196°, 73%, 69%
XYZ	18.7284, 23.1090, 44.5477
YIQ	117.7700, -66.9380, -9.3540

Conversions

Conversions Part 2

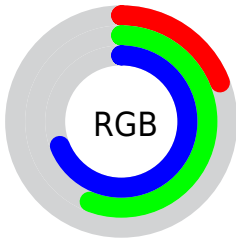
Format	Color
RYB	48, 102, 176
Decimal	3182256
CIELab	55.18, -15.88, -25.74
CIELCh	55, 30.244, 238.338
Yxy	23.1090, 0.2168, 0.2675
Android (android.graphics.Color)	4281372336 (0xFF308EB0)
YUV	117.7700, 28.7074, -61.1883
Hunter-Lab	48.0718, -14.5835, -21.2932

Details

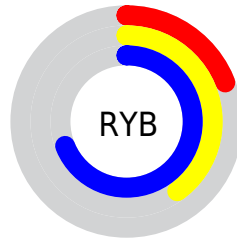
The XYZ color **18.7284, 23.1090, 44.5477** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.4562, 15.4793, 4.6541**, and the grayscale version is **17.0772, 17.9665, 19.5656**.

A 20% lighter version of the original color is **40.8610, 48.6856, 83.5876**, and **7.4023, 9.0844, 20.1022** is the 20% darker color. If you saturate the color by 10%, you get **17.3762, 21.4012, 44.2898**, and if you desaturate by 10%, it is **20.4406, 25.0465, 44.8319**.

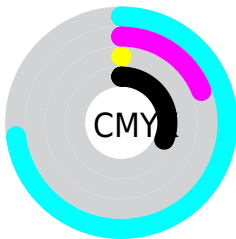
Distribution



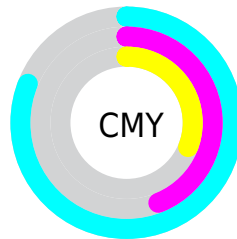
- Red (19%)
- Green (56%)
- Blue (69%)



- Red (19%)
- Yellow (40%)
- Blue (69%)



- Cyan (73%)
- Magenta (19%)
- Yellow (0%)
- Black (31%)



- Cyan (81%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7284, 23.1090, 44.5477 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 18.7284, 23.1090, 44.5477 by changing the saturation by 10% instead.

■ 18.7284, 23.1090,
44.5477

■ 18.7284, 23.1090,
44.5477

237.9122,
268.2843, 381.0452

■ 11.5770, 14.6740,
30.7610

■ 40.7951, 48.5722,
83.3525

■ 6.5265, 8.5909,
20.1600

■ 56.4411, 66.3693,
109.2077

■ 3.2115, 4.4753,
12.3261

■ 75.6494, 88.0558,
139.9227

■ 1.2666, 1.9429,
6.8410

■ 98.7853, 114.0162,
175.9162

■ 0.1580, 0.5739,
3.2859

■ 126.2142,
144.6349, 217.6066

■ 0.0000, 0.0000,
1.2424

158.3014,

■ 0.0000, 0.0000,

180.2962, 265.4126

0.0139

195.4123,
221.3845, 319.7526

■ 0.0000, 0.0000,
0.0000

■ 18.7284, 23.1090,
44.5477

■ 18.7284, 23.1090,
44.5477

■ 17.3762, 21.4012,
44.2898

■ 20.4406, 25.0465,
44.8319

■ 16.3397, 19.8986,
44.0544

■ 22.5457, 27.2299,
45.1424

■ 15.7197, 18.9010,
43.8945

■ 25.0750, 29.6764,
45.4813

■ 28.0563, 32.4007,
45.8500

■ 31.5147, 35.4163,
46.2498

■ 35.4733, 38.7356,
46.6818

■ 39.9537, 42.3702,
47.1472

■ 44.9764, 46.3310,
47.6470

■ 50.5606, 50.6285,
48.1822

Harmonies

Analogous

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



16.7293, 23.1090, 35.0644



18.7284, 23.1090, 44.5477



21.7765, 23.1090, 48.7116

Triad

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



18.7284, 23.1090, 44.5477



29.1175, 23.1090, 25.7053



19.0234, 23.1090, 12.0837

Complementary

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



18.7284, 23.1090, 44.5477



21.4562, 15.4793, 4.6541

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.



22.1534, 23.1090, 10.7720



18.7284, 23.1090, 44.5477



28.1915, 23.1090, 17.3247

Square

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



18.7284, 23.1090, 44.5477



27.9696, 23.1090, 36.2434



25.5532, 23.1090, 12.4176



16.8869, 23.1090, 16.6061

Rectangle

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



18.7284, 23.1090, 44.5477



24.0719, 23.1090, 47.2709



25.5532, 23.1090, 12.4176



19.9837, 23.1090, 11.3130

Sweetspot

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



18.7292, 23.1098, 44.5483



57.3840, 64.4270, 83.9065



18.1930, 32.2589, 12.8584



12.0582, 13.6383, 18.1413



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.7292, 23.1098, 44.5483



30.3597, 37.1911, 80.0738



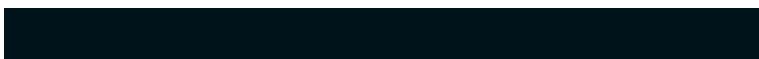
11.9250, 9.5015, 42.2802



8.5479, 9.2420, 10.8397



11.5836, 13.9675, 32.2225



0.4092, 0.5289, 1.0288

Inverse Universe

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



23.8446, 13.2978, 26.9020



40.8154, 20.8135, 43.1810



28.4120, 29.3910, 6.9727



8.7517, 8.6074, 10.1911



16.0815, 7.9502, 16.1210



0.5286, 0.2592, 0.6261

Previews

White Background



This preview shows how the XYZ color 18.7284, 23.1090, 44.5477 looks on a white background.

Color Contrast Check

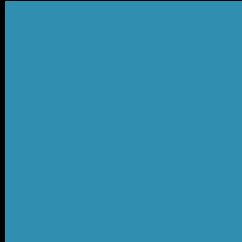
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7284, 23.1090, 44.5477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

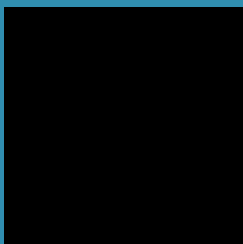
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

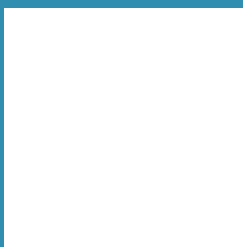
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7284, 23.1090, 44.5477

Background



This preview shows how black text looks on a background with the XYZ color 18.7284, 23.1090, 44.5477.

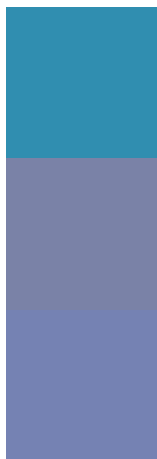


This preview shows how white text looks on a background with the XYZ color 18.7284, 23.1090,

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

18.7284, 23.1090, 44.5477

Protanopia

22.9837, 22.8929, 39.7666

Deuteranopia

23.4554, 23.0018, 45.8514



Tritanopia

16.8384, 23.0085, 35.4519

Trichromacy



Original Color

18.7284, 23.1090, 44.5477

Protanomaly

20.5001, 22.3854, 41.2705

Deuteranomaly

20.9746, 22.5399, 45.3646

Tritanomaly

17.4734, 23.0389, 38.6480

Monochromacy



Original Color

18.7284, 23.1090, 44.5477

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.7638, 19.3700, 27.2813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7284, 23.1090, 44.5477 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(48, 142, 176)` looks like.

```
.text, #text, p{  
    color:rgb(48, 142, 176)  
}
```

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(48, 142, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 142, 176) }
```

Border

The CSS property to change the border of an element to XYZ 18.7284, 23.1090, 44.5477 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(48, 142, 176) }
```


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

```
.border{ border-color:rgb(48, 142, 176) }
```

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

Here you see how a box with a 4 pixel rgb(48, 142, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 142, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 142, 176);  
box-shadow:4px 4px 4px 4px rgb(48, 142,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7284, 23.1090, 44.5477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 142, 176) }
```

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

```
.background{ background-color: rgb(48, 142,  
176) }
```

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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