

Converting Colors

XYZ(18.2780, 23.6627, 30.3851)

Have a look what the booklet for
XYZ(18.2780, 23.6627, 30.3851)
contains.

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Color

**XYZ(18.2260, 23.6106,
30.3847)**

Conversions

Conversions Part 1

Format	Color
Hex	4E9091
RGB	78, 144, 145
RGB Percent	31%, 56%, 57%
CMY	0.6941, 0.4353, 0.4314
CMYK	0.46, 0.01, 0.00, 0.43
HSL	181°, 30%, 44%
HSV	181°, 46%, 57%
XYZ	18.2260, 23.6106, 30.3847
YIQ	124.3800, -39.6570, -13.6810

Conversions

Conversions Part 2

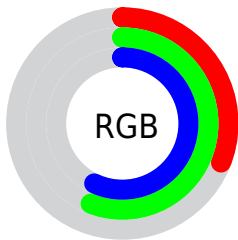
Format	Color
R_{YB}	78, 111, 145
Decimal	5148817
CIE _{Lab}	55.70, -20.71, -7.08
CIE _{LCh}	56, 21.883, 198.884
Yxy	23.6106, 0.2524, 0.3269
Android (android.graphics.Color)	4283338897 (0xFF4E9091)
YUV	124.3800, 10.1657, -40.6753
Hunter-Lab	48.5907, -18.0799, -3.0616

Details

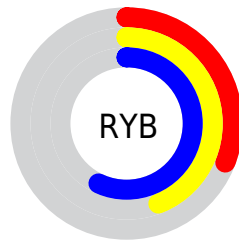
The XYZ color **18.2260, 23.6106, 30.3847** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.8485, 12.1621, 8.7205**, and the grayscale version is **19.2622, 20.2654, 22.0690**.

A 20% lighter version of the original color is **40.0186, 49.4172, 61.4621**, and **6.2684, 8.8036, 12.1954** is the 20% darker color. If you saturate the color by 10%, you get **17.1340, 22.9997, 30.3247**, and if you desaturate by 10%, it is **19.5814, 24.3585, 30.4580**.

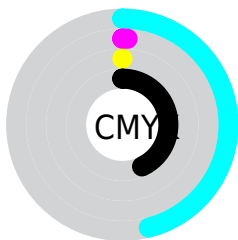
Distribution



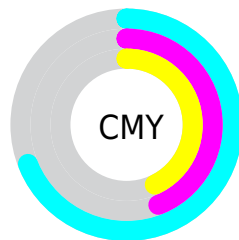
- Red (31%)
- Green (56%)
- Blue (57%)



- Red (31%)
- Yellow (44%)
- Blue (57%)



- Cyan (46%)
- Magenta (1%)
- Yellow (0%)
- Black (43%)



- Cyan (69%)
- Magenta (44%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2260, 23.6106, 30.3847 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 18.2260, 23.6106, 30.3847 by changing the saturation by 10% instead.

■ 18.2260, 23.6106,
30.3847

■ 18.2260, 23.6106,
30.3847

235.1628,
270.8458, 317.9565

■ 11.2130, 15.0450,
19.8762

■ 39.9491, 49.3940,
61.3382

■ 6.2787, 8.8510,
12.1219

■ 55.3900, 67.3806,
82.6203

■ 3.0575, 4.6441,
6.7032

■ 74.3709, 89.2764,
108.3308

■ 1.1843, 2.0400,
3.2016

■ 97.2571, 115.4656,
138.8881

■ 0.0939, 0.6306,
1.1985

■ 124.4141,
146.3328, 174.7107

■ 0.0000, 0.0000,
0.0000

156.2071,

182.2623, 216.2173

193.0016,
223.6385, 263.8264

■ 18.2260, 23.6106,
30.3847

■ 18.2260, 23.6106,
30.3847

■ 17.1340, 22.9997,
30.3247

■ 19.5814, 24.3585,
30.4580

■ 16.2860, 22.5141,
30.2757

■ 21.2139, 25.2488,
30.5438

■ 15.6631, 22.1446,
30.2372

■ 23.1389, 26.2900,
30.6434

■ 15.2427, 21.8796,
30.2082

■ 25.3699, 27.4890,
30.7572

■ 14.9906, 21.7015,
30.1871

■ 27.9195, 28.8524,
30.8860

■ 14.9094, 21.6414,
30.1798

■ 30.7998, 30.3864,
31.0302

■ 34.0222, 32.0967,
31.1905

■ 37.5975, 33.9891,
31.3674

■ 41.5360, 36.0689,
31.5612

Harmonies

Analogous

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



18.0809, 23.6106, 23.1645



18.2260, 23.6106, 30.3847



19.4500, 23.6106, 37.4265

Triad

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



18.2260, 23.6106, 30.3847



26.2277, 23.6106, 35.7716



23.3729, 23.6106, 14.5035

Complementary

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



18.2260, 23.6106, 30.3847



15.8485, 12.1621, 8.7205

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.



25.7243, 23.6106, 16.7329



18.2260, 23.6106, 30.3847



27.4515, 23.6106, 28.4311

Square

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



18.2260, 23.6106, 30.3847



24.0197, 23.6106, 40.9106



27.2608, 23.6106, 21.5375



20.9334, 23.6106, 14.8328

Rectangle

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



18.2260, 23.6106, 30.3847



20.7672, 23.6106, 40.6631



27.2608, 23.6106, 21.5375



24.2028, 23.6106, 14.9592

Sweetspot

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



18.2267, 23.6115, 30.3853



42.1592, 47.4695, 54.9141



14.6429, 22.4210, 10.7642



9.2161, 10.4725, 12.2079



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.2267, 23.6115, 30.3853



30.6943, 41.1943, 54.3071



13.9924, 15.1429, 28.9738



5.5535, 6.1027, 6.9140



12.7900, 18.5659, 25.8866



0.1237, 0.1804, 0.2480

Inverse Universe

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



19.4361, 13.4827, 27.9647



33.1398, 20.8586, 49.3795



18.7918, 18.0487, 9.7016



5.6228, 5.5097, 6.7779



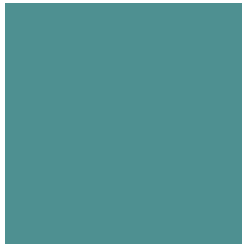
14.2589, 6.8606, 22.8124



0.1370, 0.0659, 0.2219

Previews

White Background



This preview shows how the XYZ color 18.2260, 23.6106, 30.3847 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 18.2260, 23.6106, 30.3847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

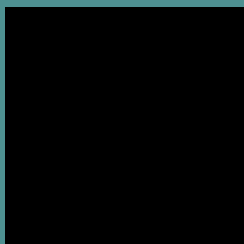
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2260, 23.6106, 30.3847

Background



This preview shows how black text looks on a background with the XYZ color 18.2260, 23.6106, 30.3847.

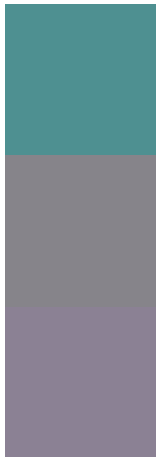


This preview shows how white text looks on a background with the XYZ color 18.2260, 23.6106,

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

18.2260, 23.6106, 30.3847

Protanopia

22.6702, 23.4058, 27.3677

Deuteranopia

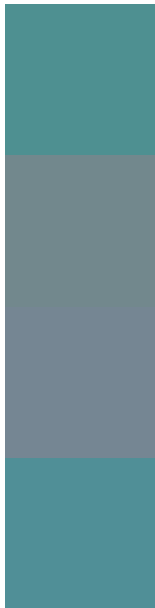
23.8430, 23.3276, 31.2630



Tritanopia

19.0485, 23.7273, 34.1477

Trichromacy



Original Color

18.2260, 23.6106, 30.3847

Protanomaly

20.5513, 23.1088, 28.5766

Deuteranomaly

21.1277, 22.9387, 30.9178

Tritanomaly

18.7166, 23.5848, 32.8440

Monochromacy



Original Color

18.2260, 23.6106, 30.3847

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.3446, 21.0243, 24.9210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2260, 23.6106, 30.3847 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(78, 144, 145)` looks like.

```
.text, #text, p{  
    color:rgb(78, 144, 145)  
}
```

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(78, 144, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 144, 145) }
```

Border

The CSS property to change the border of an element to XYZ 18.2260, 23.6106, 30.3847 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(78, 144, 145) }
```


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

```
.border{ border-color:rgb(78, 144, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 144, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 144, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 144, 145);  
box-shadow:4px 4px 4px 4px rgb(78, 144,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2260, 23.6106, 30.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 144, 145) }
```

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

```
.background{ background-color: rgb(78, 144,  
145) }
```

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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