

Converting Colors

XYZ(13.5755, 18.6862, 30.2143)

Have a look what the booklet for
XYZ(13.5755, 18.6862, 30.2143)
contains.

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Color

**XYZ(13.5272, 18.6230,
30.0758)**

Conversions

Conversions Part 1

Format	Color
Hex	078492
RGB	7, 132, 146
RGB Percent	3%, 52%, 57%
CMY	0.9725, 0.4823, 0.4274
CMYK	0.95, 0.10, 0.00, 0.43
HSL	186°, 91%, 30%
HSV	186°, 95%, 57%
XYZ	13.5272, 18.6230, 30.0758
YIQ	96.2210, -78.9940, -22.1460

Conversions

Conversions Part 2

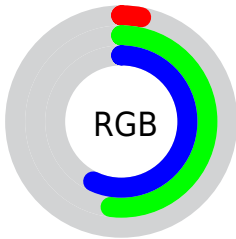
Format	Color
RYB	7, 73, 146
Decimal	492690
CIELab	50.24, -24.48, -16.04
CIELCh	50, 29.266, 213.233
Yxy	18.6230, 0.2174, 0.2993
Android (android.graphics.Color)	4278682770 (0xFF078492)
YUV	96.2210, 24.5410, -78.2468
Hunter-Lab	43.1544, -19.5674, -11.1132

Details

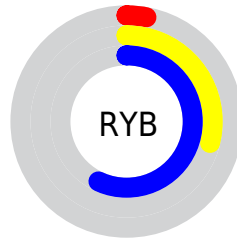
The XYZ color **13.5272, 18.6230, 30.0758** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.1613, 6.6636, 0.8469**, and the grayscale version is **11.1297, 11.7093, 12.7515**.

A 20% lighter version of the original color is **31.7988, 40.9428, 60.8704**, and **5.1286, 6.8791, 12.1238** is the 20% darker color. If you saturate the color by 10%, you get **13.3443, 18.3871, 30.0403**, and if you desaturate by 10%, it is **13.9634, 19.1464, 30.1542**.

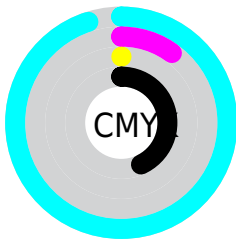
Distribution



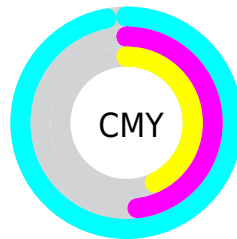
- Red (3%)
- Green (52%)
- Blue (57%)



- Red (3%)
- Yellow (29%)
- Blue (57%)



- Cyan (95%)
- Magenta (10%)
- Yellow (0%)
- Black (43%)



- Cyan (97%)
- Magenta (48%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5272, 18.6230, 30.0758 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 13.5272, 18.6230, 30.0758 by changing the saturation by 10% instead.

13.5272, 18.6230,
30.0758

13.5272, 18.6230,
30.0758

207.8394,
244.3595, 316.4759

7.8721, 11.3982,
19.6436

31.8410, 41.0961,
60.8445

4.0643, 6.3353,
11.9547

45.2305, 57.1131,
82.0180

1.7386, 3.0500,
6.5907

61.9287, 76.8297,
107.6090

0.4802, 1.1579,
3.1329

82.3011, 100.6302,
138.0361

0.0000, 0.0269,
1.1629

106.7130,
128.8991, 173.7178

0.0000, 0.0000,
0.0000

135.5298,

162.0207, 215.0727

169.1168,
200.3793, 262.5192

■ 13.5272, 18.6230,
30.0758

■ 13.5272, 18.6230,
30.0758

■ 13.3443, 18.3871,
30.0403

■ 13.9634, 19.1464,
30.1542

■ 14.5798, 19.7665,
30.2414

■ 15.4073, 20.4997,
30.3393

■ 16.4684, 21.3575,
30.4489

■ 17.7828, 22.3501,
30.5713

■ 19.3679, 23.4866,
30.7071

■ 21.2398, 24.7751,
30.8571

■ 23.4132, 26.2234,
31.0221

■ 25.9017, 27.8384,
31.2027

Harmonies

Analogous

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



12.8037, 18.6230, 21.1692



13.5272, 18.6230, 30.0758



15.3608, 18.6230, 37.6214

Triad

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



13.5272, 18.6230, 30.0758



23.0184, 18.6230, 28.1386



17.3954, 18.6230, 8.3565

Complementary

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



13.5272, 18.6230, 30.0758



12.1613, 6.6636, 0.8469

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.



20.2667, 18.6230, 9.3012



13.5272, 18.6230, 30.0758



23.7097, 18.6230, 19.4108

Square

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



13.5272, 18.6230, 30.0758



20.8542, 18.6230, 36.3096



22.6546, 18.6230, 12.8781



14.8822, 18.6230, 9.8340

Rectangle

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



13.5272, 18.6230, 30.0758



17.0670, 18.6230, 40.0290



22.6546, 18.6230, 12.8781



18.3497, 18.6230, 8.4029

Sweetspot

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



13.5278, 18.6237, 30.0763



35.9529, 42.6720, 54.3152



10.5016, 20.6572, 4.1394



7.7239, 9.3032, 12.0608



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.



13.5278, 18.6237, 30.0763



23.4699, 32.2953, 52.9702



7.0325, 5.6331, 27.9112



5.9147, 6.4634, 7.4056



11.7520, 16.1989, 26.4383



0.1554, 0.2215, 0.3275

Inverse Universe

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



16.0954, 7.9295, 22.5126



28.1385, 13.6711, 39.0335



15.5835, 13.5081, 1.9877



6.0104, 5.8992, 7.1609



14.0590, 6.8286, 19.5894



0.1779, 0.0859, 0.2706

Previews

White Background



This preview shows how the XYZ color 13.5272, 18.6230, 30.0758 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 13.5272, 18.6230, 30.0758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

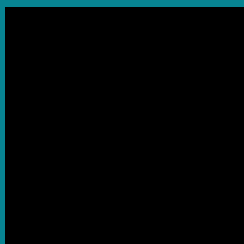
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

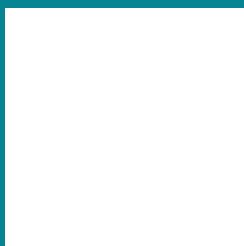
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5272, 18.6230, 30.0758

Background



This preview shows how black text looks on a background with the XYZ color 13.5272, 18.6230, 30.0758.

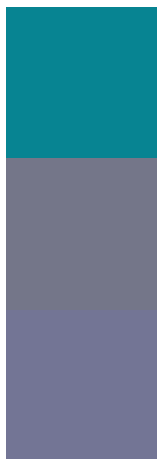


This preview shows how white text looks on a background with the XYZ color 13.5272, 18.6230,

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

13.5272, 18.6230, 30.0758

Protanopia

18.1962, 18.4760, 26.2741

Deuteranopia

18.8563, 18.5373, 31.0180



Tritanopia

13.2092, 18.4857, 28.8585

Trichromacy



Original Color

13.5272, 18.6230, 30.0758

Protanomaly

14.7971, 17.5959, 27.4274

Deuteranomaly

15.2853, 17.5937, 30.6073

Tritanomaly

13.3229, 18.5355, 29.2611

Monochromacy



Original Color

13.5272, 18.6230, 30.0758

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.6203, 13.2422, 17.9158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5272, 18.6230, 30.0758 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(7, 132, 146)` looks like.

```
.text, #text, p{  
    color:rgb(7, 132, 146)  
}
```

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(7, 132, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 132, 146) }
```

Border

The CSS property to change the border of an element to XYZ 13.5272, 18.6230, 30.0758 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(7, 132, 146) }
```


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

```
.border{ border-color:rgb(7, 132, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 132, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 132, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 132, 146);  
box-shadow:4px 4px 4px 4px rgb(7, 132,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5272, 18.6230, 30.0758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 132, 146) }
```

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

```
.background{ background-color: rgb(7, 132,  
146) }
```

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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