

Converting Colors

XYZ(13.8399, 18.9278, 30.6575)

Have a look what the booklet for
XYZ(13.8399, 18.9278, 30.6575)
contains.

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Color

**XYZ(13.8510, 18.9832,
30.5379)**

Conversions

Conversions Part 1

Format	Color
Hex	0F8593
RGB	15, 133, 147
RGB Percent	6%, 52%, 58%
CMY	0.9411, 0.4784, 0.4235
CMYK	0.90, 0.10, 0.00, 0.42
HSL	186°, 81%, 32%
HSV	186°, 90%, 58%
XYZ	13.8510, 18.9832, 30.5379
YIQ	99.3140, -74.8220, -20.6620

Conversions

Conversions Part 2

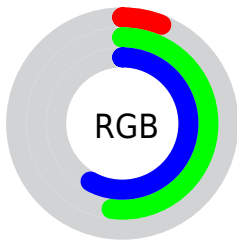
Format	Color
RYB	15, 77, 147
Decimal	1017235
CIELab	50.67, -24.24, -15.97
CIELCh	51, 29.030, 213.378
Yxy	18.9832, 0.2186, 0.2996
Android (android.graphics.Color)	4279207315 (0xFF0F8593)
YUV	99.3140, 23.5092, -73.9434
Hunter-Lab	43.5697, -19.5011, -11.0574

Details

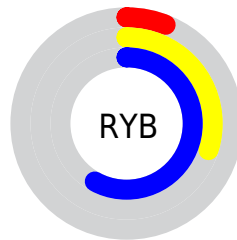
The XYZ color **13.8510, 18.9832, 30.5379** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.5589, 7.1172, 1.1644**, and the grayscale version is **11.8965, 12.5160, 13.6299**.

A 20% lighter version of the original color is **32.3180, 41.5085, 61.5669**, and **5.2046, 7.0310, 12.1491** is the 20% darker color. If you saturate the color by 10%, you get **13.4464, 18.4604, 30.4587**, and if you desaturate by 10%, it is **14.3966, 19.5841, 30.6255**.

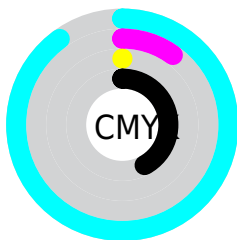
Distribution



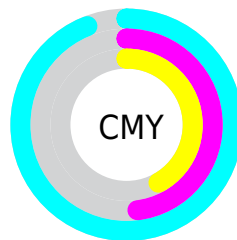
- Red (6%)
- Green (52%)
- Blue (58%)



- Red (6%)
- Yellow (30%)
- Blue (58%)



- Cyan (90%)
- Magenta (10%)
- Yellow (0%)
- Black (42%)



- Cyan (94%)
- Magenta (48%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8510, 18.9832, 30.5379 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 13.8510, 18.9832, 30.5379 by changing the saturation by 10% instead.

■ 13.8510, 18.9832,
30.5379

■ 13.8510, 18.9832,
30.5379

■ 209.8311,
246.3560, 318.6888

■ 8.0981, 11.6581,
19.9917

■ 32.4129, 41.7057,
61.5828

■ 4.2101, 6.5113,
12.2050

■ 45.9526, 57.8719,
82.9187

■ 1.8217, 3.1584,
6.7592

■ 62.8187, 77.7540,
108.6881

■ 0.5307, 1.2150,
3.2358

■ 83.3764, 101.7364,
139.3097

■ 0.0000, 0.0739,
1.2163

■ 107.9911,
130.2033, 175.2021

■ 0.0000, 0.0000,
0.0000

■ 137.0283,

163.5393, 216.7837

170.8531,
202.1288, 264.4730

■ 13.8510, 18.9832,
30.5379

■ 13.8510, 18.9832,
30.5379

■ 13.4464, 18.4604,
30.4587

■ 14.3966, 19.5841,
30.6255

■ 13.4379, 18.4493,
30.4570

■ 15.1444, 20.2936,
30.7230

■ 16.1197, 21.1251,
30.8321

■ 17.3438, 22.0897,
30.9538

■ 18.8353, 23.1969,
31.0889

■ 20.6113, 24.4555,
31.2382

■ 22.6872, 25.8736,
31.4025

■ 25.0774, 27.4585,
31.5825

■ 27.7954, 29.2173,
31.7787

Harmonies

Analogous

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



13.1162, 18.9832, 21.6060



13.8510, 18.9832, 30.5379



15.7018, 18.9832, 38.0688

Triad

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



13.8510, 18.9832, 30.5379



23.3863, 18.9832, 28.5113



17.7227, 18.9832, 8.6462

Complementary

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



13.8510, 18.9832, 30.5379



12.5589, 7.1172, 1.1644

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.



20.6059, 18.9832, 9.5922



13.8510, 18.9832, 30.5379



24.0707, 18.9832, 19.7604

Square

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



13.8510, 18.9832, 30.5379



21.2217, 18.9832, 36.6992



23.0054, 18.9832, 13.1953



15.1987, 18.9832, 10.1560

Rectangle

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



13.8510, 18.9832, 30.5379



17.4197, 18.9832, 40.4547



23.0054, 18.9832, 13.1953



18.6810, 18.9832, 8.6895

Sweetspot

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



13.8516, 18.9839, 30.5384



37.6927, 44.3367, 56.0058



10.8433, 21.0543, 4.6046



8.3607, 9.9521, 12.7651



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.8516, 18.9839, 30.5384



23.9878, 32.8851, 54.5178



7.5195, 6.3197, 28.4277



5.9121, 6.4582, 7.4047



11.6604, 16.0157, 26.4078



0.1549, 0.2203, 0.3273

Inverse Universe

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



16.4376, 8.2388, 22.9149



28.8961, 14.0477, 39.6989



16.1403, 14.2800, 2.3582



6.0091, 5.8987, 7.1540



14.0127, 6.8101, 19.3459



0.1776, 0.0858, 0.2690

Previews

White Background



This preview shows how the XYZ color 13.8510, 18.9832, 30.5379 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 13.8510, 18.9832, 30.5379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

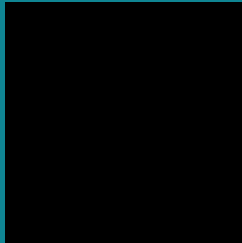
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8510, 18.9832, 30.5379

Background



This preview shows how black text looks on a background with the XYZ color 13.8510, 18.9832, 30.5379.

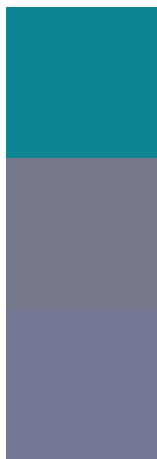


This preview shows how white text looks on a background with the XYZ color 13.8510, 18.9832,

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

13.8510, 18.9832, 30.5379

Protanopia

18.5204, 18.8105, 26.6994

Deuteranopia

19.1859, 18.8719, 31.4856



Tritanopia

13.4967, 18.8274, 29.3083

Trichromacy



Original Color

13.8510, 18.9832, 30.5379

Protanomaly

15.3236, 18.0439, 27.8745

Deuteranomaly

15.7322, 17.9981, 31.0786

Tritanomaly

13.6110, 18.8775, 29.7144

Monochromacy



Original Color

13.8510, 18.9832, 30.5379

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.2207, 13.8588, 18.6066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8510, 18.9832, 30.5379 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(15, 133, 147)` looks like.

```
.text, #text, p{  
    color:rgb(15, 133, 147)  
}
```

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(15, 133, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 133, 147) }
```

Border

The CSS property to change the border of an element to XYZ 13.8510, 18.9832, 30.5379 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(15, 133, 147) }
```


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

```
.border{ border-color:rgb(15, 133, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 133, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 133, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 133, 147);  
box-shadow:4px 4px 4px 4px rgb(15, 133,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8510, 18.9832, 30.5379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 133, 147) }
```

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

```
.background{ background-color: rgb(15, 133,  
147) }
```

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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