

Converting Colors

XYZ(8.2320, 10.3746, 18.4909)

Have a look what the booklet for
XYZ(8.2320, 10.3746, 18.4909)
contains.

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Color

**XYZ(8.2058, 10.3431,
18.3935)**

Conversions

Conversions Part 1

Format	Color
Hex	216275
RGB	33, 98, 117
RGB Percent	13%, 38%, 46%
CMY	0.8706, 0.6157, 0.5412
CMYK	0.72, 0.16, 0.00, 0.54
HSL	194°, 56%, 29%
HSV	194°, 72%, 46%
XYZ	8.2058, 10.3431, 18.3935
YIQ	80.7310, -44.8390, -7.8710

Conversions

Conversions Part 2

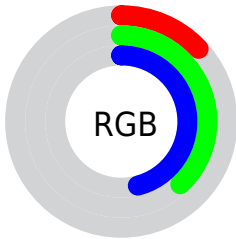
Format	Color
R_{YB}	33, 70, 117
Decimal	2187893
CIE _{Lab}	38.45, -13.72, -16.68
CIE _{LCh}	38, 21.595, 230.562
Yxy	10.3431, 0.2221, 0.2800
Android (android.graphics.Color)	4280377973 (0xFF216275)
YUV	80.7310, 17.8806, -41.8601
Hunter-Lab	32.1607, -10.7369, -11.3969

Details

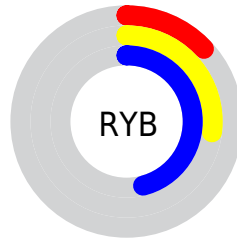
The XYZ color **8.2058, 10.3431, 18.3935** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.8390, 6.3482, 2.1987**, and the grayscale version is **7.7408, 8.1439, 8.8687**.

A 20% lighter version of the original color is **22.0287, 26.4833, 41.4869**, and **2.2580, 2.7973, 6.0512** is the 20% darker color. If you saturate the color by 10%, you get **7.6510, 9.6957, 18.2980**, and if you desaturate by 10%, it is **8.8998, 11.0748, 18.4983**.

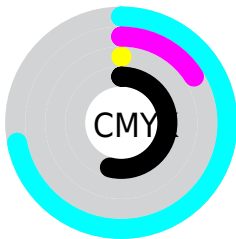
Distribution



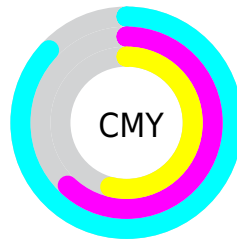
- Red (13%)
- Green (38%)
- Blue (46%)



- Red (13%)
- Yellow (27%)
- Blue (46%)



- Cyan (72%)
- Magenta (16%)
- Yellow (0%)
- Black (54%)



- Cyan (87%)
- Magenta (62%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.2058, 10.3431, 18.3935 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 8.2058, 10.3431, 18.3935 by changing the saturation by 10% instead.

8.2058, 10.3431,
18.3935

8.2058, 10.3431,
18.3935

171.6731,
193.1036, 255.3899

4.2798, 5.6270,
11.0605

22.0425, 26.4389,
41.5297

1.8616, 2.6196,
5.9929

32.6839, 38.5874,
58.1699

0.5544, 0.9366,
2.7720

46.2945, 53.9821,
78.7497

0.0000, 0.0000,
0.9794

63.2397, 73.0075,
103.6875

0.0000, 0.0000,
0.0000

83.8848, 96.0480,
133.4019

108.5951,

123.4879, 168.3114

137.7361,
155.7116, 208.8345

■ 8.2058, 10.3431,
18.3935

■ 8.2058, 10.3431,
18.3935

■ 7.6510, 9.6957,
18.2980

■ 8.8998, 11.0748,
18.4983

■ 7.2200, 9.1240,
18.2104

■ 9.7442, 11.8961,
18.6124

■ 6.9125, 8.6875,
18.1423

■ 10.7502, 12.8130,
18.7363

■ 11.9276, 13.8309,
18.8707

■ 13.2854, 14.9543,
19.0160

■ 14.8319, 16.1878,
19.1726

■ 16.5751, 17.5354,
19.3408

■ 18.5222, 19.0011,
19.5211

■ 20.6803, 20.5886,
19.7138

Harmonies

Analogous

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



7.5027, 10.3431, 14.2180



8.2058, 10.3431, 18.3935



9.3925, 10.3431, 20.7995

Triad

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



8.2058, 10.3431, 18.3935



12.7580, 10.3431, 12.5849



8.9082, 10.3431, 5.4400

Complementary

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



8.2058, 10.3431, 18.3935



8.8390, 6.3482, 2.1987

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.



10.2825, 10.3431, 5.2035



8.2058, 10.3431, 18.3935



12.5967, 10.3431, 8.7469

Square

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



8.2058, 10.3431, 18.3935



12.0790, 10.3431, 16.9552



11.6573, 10.3431, 6.2629



7.8804, 10.3431, 7.0113

Rectangle

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



8.2058, 10.3431, 18.3935



10.3367, 10.3431, 20.7597



11.6573, 10.3431, 6.2629



9.3417, 10.3431, 5.2193

Sweetspot

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



8.2061, 10.3435, 18.3938



23.5888, 26.6150, 34.0309



7.5908, 13.2869, 5.3202



5.3046, 6.0221, 7.8118



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



8.2061, 10.3435, 18.3938



13.1805, 16.6890, 32.6636



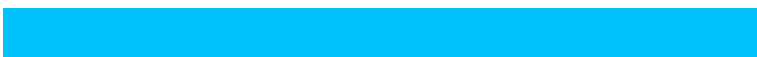
5.2918, 4.5147, 17.4223



3.7165, 4.0216, 4.6706



7.6042, 9.5481, 19.9848



36.3926, 45.2018, 97.1670

Inverse Universe

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



10.0849, 5.7519, 12.1344



17.0029, 8.7602, 19.6118



11.5429, 11.7560, 3.1000



3.7929, 3.7444, 4.4362



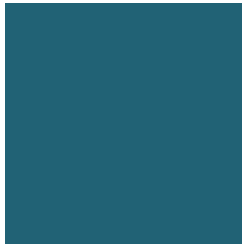
10.1354, 4.9879, 11.1871



49.0560, 24.1725, 52.7519

Previews

White Background



This preview shows how the XYZ color 8.2058, 10.3431, 18.3935 looks on a white 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

Black Background



This preview shows how the XYZ color 8.2058, 10.3431, 18.3935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

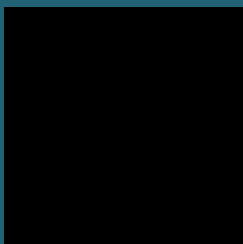
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.2058, 10.3431, 18.3935

Background



This preview shows how black text looks on a background with the XYZ color 8.2058, 10.3431, 18.3935.

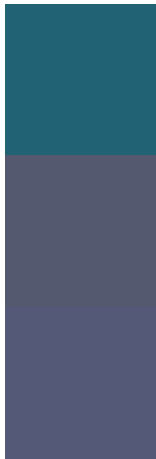


This preview shows how white text looks on a background with the XYZ color 8.2058, 10.3431, 18.3935.

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

8.2058, 10.3431, 18.3935

Protanopia

10.1879, 10.2237, 16.4753

Deuteranopia

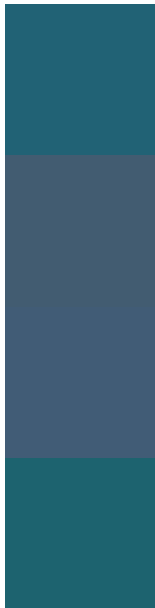
10.4694, 10.3157, 18.8921



Tritanopia

7.6899, 10.4167, 15.7927

Trichromacy



Original Color

8.2058, 10.3431, 18.3935

Protanomaly

9.0545, 10.0048, 17.0767

Deuteranomaly

9.2771, 10.0861, 18.5974

Tritanomaly

7.8378, 10.3326, 16.6202

Monochromacy



Original Color

8.2058, 10.3431, 18.3935

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

7.5429, 8.7145, 11.8742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.2058, 10.3431, 18.3935 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(33, 98, 117)` looks like.

```
.text, #text, p{  
    color:rgb(33, 98, 117)  
}
```

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(33, 98, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 98, 117) }
```

Border

The CSS property to change the border of an element to XYZ 8.2058, 10.3431, 18.3935 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(33, 98, 117) }
```


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

```
.border{ border-color:rgb(33, 98, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 98, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 98, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 98, 117);  
box-shadow:4px 4px 4px 4px rgb(33, 98,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 8.2058, 10.3431, 18.3935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 98, 117) }
```

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

```
.background{ background-color: rgb(33, 98,  
117) }
```

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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