

Converting Colors

XYZ(8.2120, 10.9650, 17.1179)

Have a look what the booklet for
XYZ(8.2120, 10.9650, 17.1179)
contains.

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Color

**XYZ(8.1827, 10.9338,
17.0084)**

Conversions

Conversions Part 1

Format	Color
Hex	1D6670
RGB	29, 102, 112
RGB Percent	11%, 40%, 44%
CMY	0.8863, 0.6000, 0.5608
CMYK	0.74, 0.09, 0.00, 0.56
HSL	187°, 59%, 28%
HSV	187°, 74%, 44%
XYZ	8.1827, 10.9338, 17.0084
YIQ	81.3130, -46.7180, -12.3660

Conversions

Conversions Part 2

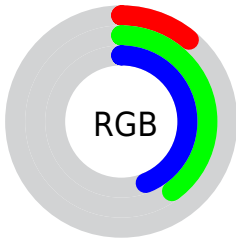
Format	Color
R_{YB}	29, 68, 112
Decimal	1926768
CIE _{Lab}	39.47, -18.31, -12.08
CIE _{LCh}	39, 21.935, 213.405
Yxy	10.9338, 0.2265, 0.3027
Android (android.graphics.Color)	4280116848 (0xFF1D6670)
YUV	81.3130, 15.1287, -45.8785
Hunter-Lab	33.0663, -13.6938, -7.3507

Details

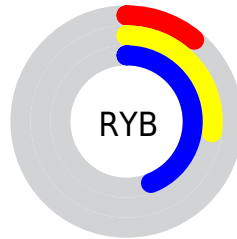
The XYZ color **8.1827, 10.9338, 17.0084** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.6297, 4.9849, 1.7228**, and the grayscale version is **7.8611, 8.2704, 9.0065**.

A 20% lighter version of the original color is **22.0226, 27.4890, 39.2672**, and **2.2916, 3.1025, 5.3286** is the 20% darker color. If you saturate the color by 10%, you get **7.7905, 10.5366, 16.9526**, and if you desaturate by 10%, it is **8.6930, 11.3956, 17.0708**.

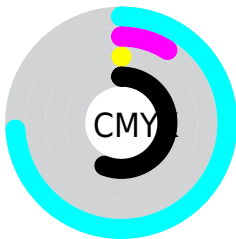
Distribution



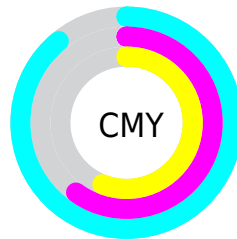
- Red (11%)
- Green (40%)
- Blue (44%)



- Red (11%)
- Yellow (27%)
- Blue (44%)



- Cyan (74%)
- Magenta (9%)
- Yellow (0%)
- Black (56%)



- Cyan (89%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.1827, 10.9338, 17.0084 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 8.1827, 10.9338, 17.0084 by changing the saturation by 10% instead.

8.1827, 10.9338,
17.0084

8.1827, 10.9338,
17.0084

171.4976,
197.2128, 247.2664

4.2649, 6.0223,
10.0785

21.9978, 27.5377,
39.1311

1.8530, 2.8587,
5.3447

32.6259, 39.9989,
55.1609

0.5493, 1.0584,
2.3887

46.2213, 55.7455,
75.0610

0.0000, 0.0000,
0.7803

63.1495, 75.1618,
99.2501

0.0000, 0.0000,
0.0000

83.7759, 98.6324,
128.1467

108.4658,

126.5414, 162.1692

137.5846,
159.2734, 201.7362

■ 8.1827, 10.9338,
17.0084

■ 8.1827, 10.9338,
17.0084

■ 7.7905, 10.5366,
16.9526

■ 8.6930, 11.3956,
17.0708

■ 7.4979, 10.1937,
16.9018

■ 9.3315, 11.9265,
17.1397

■ 7.3399, 10.0004,
16.8729

■ 10.1086, 12.5320,
17.2156

■ 11.0332, 13.2168,
17.2990

■ 12.1134, 13.9851,
17.3904

■ 13.3567, 14.8408,
17.4900

■ 14.7704, 15.7876,
17.5983

■ 16.3609, 16.8289,
17.7154

■ 18.1347, 17.9680,
17.8418

Harmonies

Analogous

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



7.7905, 10.9338, 12.3982



8.1827, 10.9338, 17.0084



9.1636, 10.9338, 20.8349

Triad

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



8.1827, 10.9338, 17.0084



13.1654, 10.9338, 15.9617



10.2233, 10.9338, 5.4572

Complementary

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



8.1827, 10.9338, 17.0084



7.6297, 4.9849, 1.7228

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.



11.7261, 10.9338, 5.9798



8.1827, 10.9338, 17.0084



13.5169, 10.9338, 11.4251

Square

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



8.1827, 10.9338, 17.0084



12.0479, 10.9338, 20.1363



12.9675, 10.9338, 7.9407



8.8957, 10.9338, 6.2925

Rectangle

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



8.1827, 10.9338, 17.0084



10.0672, 10.9338, 22.0373



12.9675, 10.9338, 7.9407



10.7242, 10.9338, 5.4809

Sweetspot

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



8.1830, 10.9342, 17.0087



21.5944, 24.7874, 30.5761



6.6622, 11.9942, 3.8565



5.0885, 5.8856, 7.3376



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



8.1830, 10.9342, 17.0087



13.3027, 18.0679, 29.7161



5.0907, 4.7495, 15.9779



3.4424, 3.7500, 4.2966



8.4746, 11.5394, 19.5023



41.7973, 56.6465, 97.0100

Inverse Universe

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



9.5200, 5.2831, 13.0888



15.9374, 8.0272, 21.7458



9.7863, 9.2981, 2.4417



3.4979, 3.4469, 4.1489



10.2959, 5.0107, 13.9000



51.0773, 24.8762, 68.1305

Previews

White Background



This preview shows how the XYZ color 8.1827, 10.9338, 17.0084 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 8.1827, 10.9338, 17.0084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

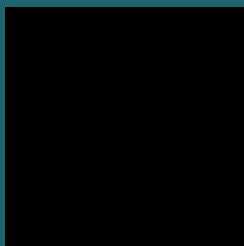
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

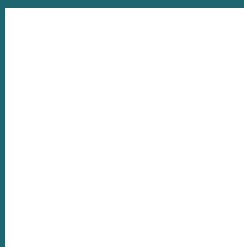
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 8.1827, 10.9338, 17.0084

Background



This preview shows how black text looks on a background with the XYZ color 8.1827, 10.9338, 17.0084.



This preview shows how white text looks on a background with the XYZ color 8.1827, 10.9338,

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

8.1827, 10.9338, 17.0084

Protanopia

10.5934, 10.8479, 14.9001

Deuteranopia

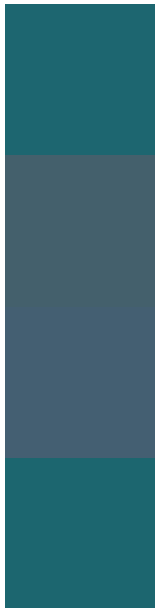
11.0520, 10.8936, 17.7398



Tritanopia

8.0995, 10.8973, 16.7154

Trichromacy



Original Color

8.1827, 10.9338, 17.0084

Protanomaly

9.2735, 10.6774, 15.7595

Deuteranomaly

9.5134, 10.6283, 17.4696

Tritanomaly

8.0995, 10.8973, 16.7154

Monochromacy



Original Color

8.1827, 10.9338, 17.0084

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

7.4908, 8.9416, 11.4563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1827, 10.9338, 17.0084 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(29, 102, 112)` looks like.

```
.text, #text, p{  
    color:rgb(29, 102, 112)  
}
```

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(29, 102, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 102, 112) }
```

Border

The CSS property to change the border of an element to XYZ 8.1827, 10.9338, 17.0084 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(29, 102, 112) }
```


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

```
.border{ border-color:rgb(29, 102, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 102, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 102, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 102, 112);  
box-shadow:4px 4px 4px 4px rgb(29, 102,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 8.1827, 10.9338, 17.0084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 102, 112) }
```

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

```
.background{ background-color: rgb(29, 102,  
112) }
```

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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