

Converting Colors

XYZ(11.4913, 17.3998, 20.2349)

Have a look what the booklet for
XYZ(11.4913, 17.3998, 20.2349)
contains.

XYZ(11.4784, 17.3827, 20.2030)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.4784, 17.3827,
20.2030)**

Conversions

Conversions Part 1

Format	Color
Hex	0D8277
RGB	13, 130, 119
RGB Percent	5%, 51%, 47%
CMY	0.9490, 0.4902, 0.5333
CMYK	0.90, 0.00, 0.08, 0.49
HSL	174°, 82%, 28%
HSV	174°, 90%, 51%
XYZ	11.4784, 17.3827, 20.2030
YIQ	93.7630, -66.2010, -28.2250

Conversions

Conversions Part 2

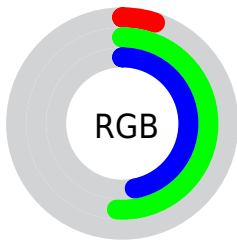
Format	Color
RYB	13, 74, 130
Decimal	885367
CIELab	48.74, -31.90, -2.45
CIELCh	49, 31.996, 184.399
Yxy	17.3827, 0.2339, 0.3543
Android (android.graphics.Color)	4279075447 (0xFF0D8277)
YUV	93.7630, 12.4418, -70.8292
Hunter-Lab	41.6926, -23.8191, 0.4546

Details

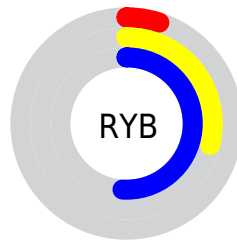
The XYZ color **11.4784, 17.3827, 20.2030** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.5153, 5.1002, 1.3479**, and the grayscale version is **10.5674, 11.1177, 12.1072**.

A 20% lighter version of the original color is **28.2375, 39.1525, 44.5970**, and **4.0060, 6.1923, 6.9453** is the 20% darker color. If you saturate the color by 10%, you get **11.2399, 17.2686, 19.8114**, and if you desaturate by 10%, it is **11.8130, 17.5471, 20.6048**.

Distribution



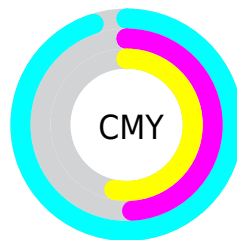
- Red (5%)
- Green (51%)
- Blue (47%)



- Red (5%)
- Yellow (29%)
- Blue (51%)



- Cyan (90%)
- Magenta (0%)
- Yellow (8%)
- Black (49%)



- Cyan (95%)
- Magenta (49%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4784, 17.3827, 20.2030 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 11.4784, 17.3827, 20.2030 by changing the saturation by 10% instead.

■ 11.4784, 17.3827,
20.2030

■ 11.4784, 17.3827,
20.2030

194.7622,
237.3682, 265.6525

■ 6.4592, 10.5077,
12.3572

■ 28.1667, 38.9826,
44.6207

■ 3.1696, 5.7369,
6.8619

■ 40.5665, 54.4763,
62.0296

■ 1.2441, 2.6857,
3.2988

■ 56.1572, 73.6117,
83.4633

■ 0.1407, 0.9700,
1.2491

■ 75.3042, 96.7733,
109.3404

■ 0.0000, 0.0000,
0.0196

■ 98.3729, 124.3453,
140.0793

■ 0.0000, 0.0000,
0.0000

■ 125.7285,

156.7122, 176.0985

157.7365,
194.2584, 217.8168

■ 11.4784, 17.3827,
20.2030

■ 11.4784, 17.3827,
20.2030

■ 11.2399, 17.2686,
19.8114

■ 11.8130, 17.5471,
20.6048

■ 11.2397, 17.2685,
19.8110

■ 12.2988, 17.7888,
21.0183

■ 12.9543, 18.1180,
21.4446

■ 13.7951, 18.5426,
21.8846

■ 14.8350, 19.0697,
22.3390

■ 16.0864, 19.7057,
22.8082

■ 17.5609, 20.4567,
23.2929

■ 19.2691, 21.3279,
23.7937

■ 21.2208, 22.3247,
24.3109

Harmonies

Analogous

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



11.9082, 17.3827, 12.7291



11.4784, 17.3827, 20.2030



12.2621, 17.3827, 29.6918

Triad

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



11.4784, 17.3827, 20.2030



19.9450, 17.3827, 35.7836



19.1011, 17.3827, 7.7160

Complementary

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



11.4784, 17.3827, 20.2030



9.5153, 5.1002, 1.3479

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.



21.6687, 17.3827, 11.1402



11.4784, 17.3827, 20.2030



22.1953, 17.3827, 26.8668

Square

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



11.4784, 17.3827, 20.2030



16.9615, 17.3827, 40.2352



22.8607, 17.3827, 17.7055



16.0896, 17.3827, 6.8948

Rectangle

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



11.4784, 17.3827, 20.2030



13.4293, 17.3827, 35.4852



22.8607, 17.3827, 17.7055



20.0558, 17.3827, 8.5376

Sweetspot

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



11.4789, 17.3834, 20.2034



28.9096, 34.9980, 40.3663



8.4495, 16.1979, 3.0624



6.3905, 7.8437, 9.0838



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



11.4789, 17.3834, 20.2034



19.7645, 30.3987, 34.7356



7.3047, 7.9157, 22.2626



4.4295, 4.8801, 5.4332



10.7781, 16.5578, 19.0021



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.5153, 5.1002, 1.3479



16.3046, 8.3947, 1.2444



10.8848, 7.9869, 1.3492



4.3429, 4.3503, 4.6104



8.8934, 4.5770, 0.7622



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.4784, 17.3827, 20.2030 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 11.4784, 17.3827, 20.2030 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 11.4784, 17.3827, 20.2030

Background



This preview shows how black text looks on a background with the XYZ color 11.4784, 17.3827, 20.2030.

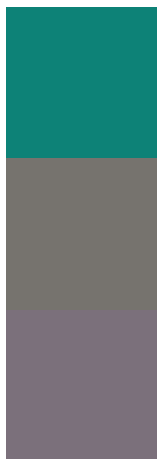


This preview shows how white text looks on a background with the XYZ color 11.4784, 17.3827,

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

11.4784, 17.3827, 20.2030

Protanopia

16.4164, 17.2388, 17.2140

Deuteranopia

17.5377, 17.2294, 21.1402



Tritanopia

12.8365, 17.3538, 26.7178

Trichromacy



Original Color

11.4784, 17.3827, 20.2030

Protanomaly

13.0054, 16.3307, 18.0895

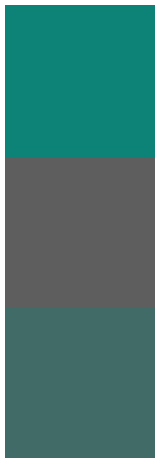
Deuteranomaly

13.6770, 16.4378, 20.8643

Tritanomaly

12.2419, 17.2966, 24.1661

Monochromacy



Original Color

11.4784, 17.3827, 20.2030

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.8858, 12.6185, 14.7465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4784, 17.3827, 20.2030 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(13, 130, 119)` looks like.

```
.text, #text, p{  
    color:rgb(13, 130, 119)  
}
```

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(13, 130, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 130, 119) }
```

Border

The CSS property to change the border of an element to XYZ 11.4784, 17.3827, 20.2030 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(13, 130, 119) }
```


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

```
.border{ border-color:rgb(13, 130, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 130, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 130, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 130, 119);  
box-shadow:4px 4px 4px 4px rgb(13, 130,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4784, 17.3827, 20.2030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 130, 119) }
```

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

```
.background{ background-color: rgb(13, 130,  
119) }
```

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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