

Converting Colors

XYZ(12.8783, 17.7317, 26.3141)

Have a look what the booklet for
XYZ(12.8783, 17.7317, 26.3141)
contains.

XYZ(12.9307, 17.7980, 26.4207)	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(12.9307, 17.7980,
26.4207)**

Conversions

Conversions Part 1

Format	Color
Hex	1F8189
RGB	31, 129, 137
RGB Percent	12%, 51%, 54%
CMY	0.8784, 0.4941, 0.4627
CMYK	0.77, 0.06, 0.00, 0.46
HSL	185°, 63%, 33%
HSV	185°, 77%, 54%
XYZ	12.9307, 17.7980, 26.4207
YIQ	100.6100, -60.9760, -18.2880

Conversions

Conversions Part 2

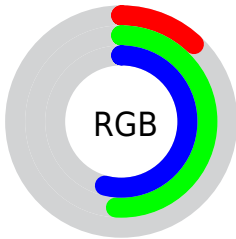
Format	Color
R_{YB}	31, 82, 137
Decimal	2064777
CIE _{Lab}	49.25, -24.09, -12.25
CIE _{LCh}	49, 27.027, 206.941
Yxy	17.7980, 0.2263, 0.3114
Android (android.graphics.Color)	4280254857 (0xFF1F8189)
YUV	100.6100, 17.9403, -61.0480
Hunter-Lab	42.1877, -19.1174, -7.5999




Details

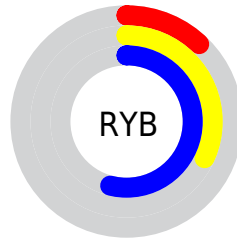
The XYZ color **12.9307, 17.7980, 26.4207** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.2898, 6.8689, 2.0276**, and the grayscale version is **12.2366, 12.8739, 14.0197**.




A 20% lighter version of the original color is **30.7415, 39.6065, 54.7398**, and **4.5163, 6.2801, 9.9910** is the 20% darker color. If you saturate the color by 10%, you get **12.4671, 17.3582, 26.3606**, and if you desaturate by 10%, it is **13.5722, 18.3323, 26.4903**.

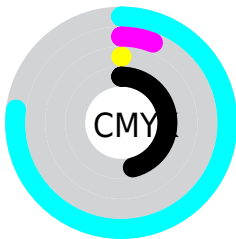
Distribution







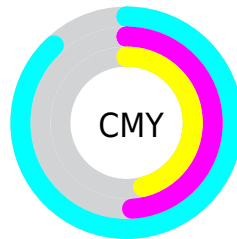
-  Red (12%)
-  Green (51%)
-  Blue (54%)






-  Red (12%)
-  Yellow (32%)
-  Blue (54%)



-  Cyan (77%)
-  Magenta (6%)
-  Yellow (0%)
-  Black (46%)



-  Cyan (88%)
-  Magenta (49%)
-  Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9307, 17.7980, 26.4207 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 12.9307, 17.7980, 26.4207 by changing the saturation by 10% instead.

■ 12.9307, 17.7980,
26.4207

■ 12.9307, 17.7980,
26.4207

204.1196,
239.7300, 298.5121

■ 7.4575, 10.8051,
16.9101

■ 30.7816, 39.6928,
54.9453

■ 3.7987, 5.9359,
10.0091

■ 43.8900, 55.3635,
74.7962

■ 1.5889, 2.8061,
5.2993

■ 60.2742, 74.6955,
98.9311

■ 0.3852, 1.0314,
2.3621

■ 80.2996, 98.0733,
127.7683

■ 0.0000, 0.0000,
0.7657

■ 104.3315,
125.8813, 161.7265

■ 0.0000, 0.0000,
0.0000

■ 132.7352,

158.5038, 201.2242

165.8761,
196.3252, 246.6799

■ 12.9307, 17.7980,
26.4207

■ 12.9307, 17.7980,
26.4207

■ 12.4671, 17.3582,
26.3606

■ 13.5722, 18.3323,
26.4903

■ 12.1415, 16.9912,
26.3069

■ 14.4098, 18.9693,
26.5692

■ 12.0612, 16.8978,
26.2931

■ 15.4613, 19.7187,
26.6584

■ 16.7419, 20.5882,
26.7587

■ 18.2655, 21.5851,
26.8708

■ 20.0449, 22.7160,
26.9953

■ 22.0920, 23.9869,
27.1328

■ 24.4180, 25.4037,
27.2836

■ 27.0332, 26.9716,
27.4484

Harmonies

Analogous

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



12.4989, 17.7980, 18.6431



12.9307, 17.7980, 26.4207



14.3931, 17.7980, 33.5998

Triad

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



12.9307, 17.7980, 26.4207



21.3418, 17.7980, 28.0401



17.1781, 17.7980, 8.5103

Complementary

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



12.9307, 17.7980, 26.4207



11.2898, 6.8689, 2.0276

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.



19.7187, 17.7980, 9.8720



12.9307, 17.7980, 26.4207



22.2686, 17.7980, 20.1340

Square

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



12.9307, 17.7980, 26.4207



19.2236, 17.7980, 34.6871



21.6471, 17.7980, 13.7148



14.8017, 17.7980, 9.4041

Rectangle

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



12.9307, 17.7980, 26.4207



15.8383, 17.7980, 36.4171



21.6471, 17.7980, 13.7148



18.0425, 17.7980, 8.7091

Sweetspot

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



12.9313, 17.7987, 26.4211



33.8841, 39.4071, 48.2036



9.8621, 18.3234, 4.8570



7.3827, 8.6997, 10.7964



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.9313, 17.7987, 26.4211



21.8761, 30.5787, 47.1325



7.7303, 7.3967, 24.6875



5.1411, 5.6251, 6.4206



11.2387, 15.7477, 24.4930



0.0791, 0.1135, 0.1642

Inverse Universe

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



14.7694, 7.8838, 21.5129



25.4930, 12.5515, 37.1423



14.3112, 12.9116, 3.0348



5.2178, 5.1226, 6.2356



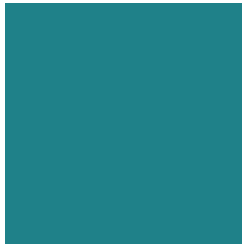
13.1596, 6.3739, 19.1424



0.0897, 0.0432, 0.1390

Previews

White Background



This preview shows how the XYZ color 12.9307, 17.7980, 26.4207 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 12.9307, 17.7980, 26.4207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

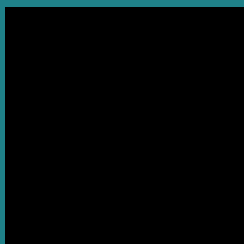
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.9307, 17.7980, 26.4207

Background



This preview shows how black text looks on a background with the XYZ color 12.9307, 17.7980, 26.4207.

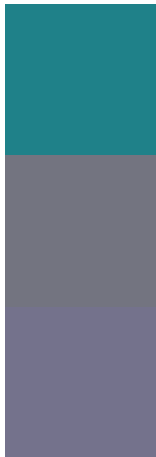


This preview shows how white text looks on a background with the XYZ color 12.9307, 17.7980,

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

12.9307, 17.7980, 26.4207

Protanopia

17.2119, 17.6941, 22.9302

Deuteranopia

17.9534, 17.6411, 27.2698



Tritanopia

13.1377, 17.8879, 27.1864

Trichromacy



Original Color

12.9307, 17.7980, 26.4207

Protanomaly

14.5903, 17.1983, 24.0233

Deuteranomaly

15.0033, 16.9890, 26.9145

Tritanomaly

13.0334, 17.8426, 26.8018

Monochromacy



Original Color

12.9307, 17.7980, 26.4207

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.7022, 14.1203, 18.0283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9307, 17.7980, 26.4207 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(31, 129, 137)` looks like.

```
.text, #text, p{  
    color:rgb(31, 129, 137)  
}
```

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(31, 129, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 129, 137) }
```

Border

The CSS property to change the border of an element to XYZ 12.9307, 17.7980, 26.4207 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(31, 129, 137) }
```


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

```
.border{ border-color:rgb(31, 129, 137) }
```

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

Here you see how a box with a 4 pixel rgb(31, 129, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 129, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 129, 137);  
box-shadow:4px 4px 4px 4px rgb(31, 129,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9307, 17.7980, 26.4207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 129, 137) }
```

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

```
.background{ background-color: rgb(31, 129,  
137) }
```

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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