

Converting Colors

XYZ(26.1694, 35.4476, 44.8031)

Have a look what the booklet for
XYZ(26.1694, 35.4476, 44.8031)
contains.

XYZ(26.1811, 35.3825, 44.9848)	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(26.1811, 35.3825,
44.9848)**

Conversions

Conversions Part 1

Format	Color
Hex	50AFAD
RGB	80, 175, 173
RGB Percent	31%, 69%, 68%
CMY	0.6863, 0.3137, 0.3216
CMYK	0.54, 0.00, 0.01, 0.31
HSL	179°, 37%, 50%
HSV	179°, 54%, 69%
XYZ	26.1811, 35.3825, 44.9848
YIQ	146.3670, -55.9780, -20.7620

Conversions

Conversions Part 2

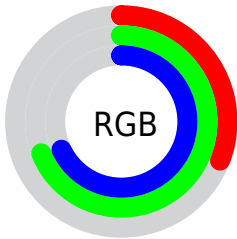
Format	Color
R_{YB}	80, 128, 175
Decimal	5287853
CIE _{Lab}	66.05, -28.32, -7.50
CIE _{LCh}	66, 29.294, 194.836
Yxy	35.3825, 0.2457, 0.3321
Android (android.graphics.Color)	4283477933 (0xFF50AFAD)
YUV	146.3670, 13.1301, -58.2039
Hunter-Lab	59.4832, -25.5301, -3.2005

Details

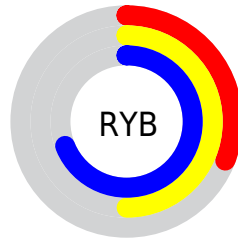
The XYZ color **26.1811, 35.3825, 44.9848** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.0721, 15.4617, 9.8051**, and the grayscale version is **27.4375, 28.8664, 31.4355**.

A 20% lighter version of the original color is **52.8960, 68.0716, 83.7500**, and **10.4107, 15.2995, 20.4936** is the 20% darker color. If you saturate the color by 10%, you get **24.8562, 34.7044, 44.7376**, and if you desaturate by 10%, it is **27.8930, 36.2617, 45.2522**.

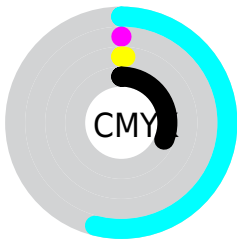
Distribution



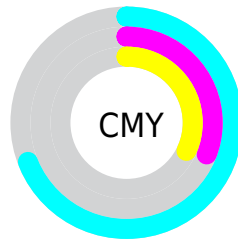
- Red (31%)
- Green (69%)
- Blue (68%)



- Red (31%)
- Yellow (50%)
- Blue (69%)



- Cyan (54%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)



- Cyan (69%)
- Magenta (31%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.1811, 35.3825, 44.9848 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 26.1811, 35.3825, 44.9848 by changing the saturation by 10% instead.

■ 26.1811, 35.3825,
44.9848

■ 26.1811, 35.3825,
44.9848

275.9104,
326.2535, 382.8703

■ 17.0926, 23.9577,
31.1026

■ 52.9962, 68.0779,
84.0158

■ 10.3962, 15.3022,
20.4179

■ 71.4534, 90.1173,
110.0017

■ 5.7267, 9.0318,
12.5121

■ 93.7643, 116.4636,
140.8592

■ 2.7187, 4.7619,
6.9667

■ 120.2942,
147.5013, 177.0069

■ 1.0068, 2.1083,
3.3631

151.4083,
183.6147, 218.8633

■ 0.0000, 0.6693,
1.2829

187.4722,

■ 0.0000, 0.0000,

225.1883, 266.8470

0.0477

228.8511,
272.6064, 321.3765

■ 0.0000, 0.0000,
0.0000

■ 26.1811, 35.3825,
44.9848

■ 26.1811, 35.3825,
44.9848

■ 24.8562, 34.7044,
44.7376

■ 27.8930, 36.2617,
45.2522

■ 23.8847, 34.2077,
44.5066

■ 30.0160, 37.3520,
45.5386

■ 23.2323, 33.8755,
44.2911

■ 32.5760, 38.6676,
45.8459

■ 22.8567, 33.6859,
44.0891

■ 35.5958, 40.2202,
46.1753

■ 22.7113, 33.6133,
43.9771

■ 39.0967, 42.0208,
46.5277

■ 43.0986, 44.0797,
46.9041

■ 47.6203, 46.4065,
47.3053

■ 52.6795, 49.0104,
47.7322

■ 58.2934, 51.9003,
48.1856

Harmonies

Analogous

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



26.1916, 35.3825, 32.5979



26.1811, 35.3825, 44.9848



28.0451, 35.3825, 57.9851

Triad

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



26.1811, 35.3825, 44.9848



39.8733, 35.3825, 58.1122



35.8637, 35.3825, 19.7343

Complementary

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



26.1811, 35.3825, 44.9848



22.0721, 15.4617, 9.8051

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.



39.9112, 35.3825, 23.9940



26.1811, 35.3825, 44.9848



42.3582, 35.3825, 45.1314

Square

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



26.1811, 35.3825, 44.9848



35.8156, 35.3825, 66.6022



42.3726, 35.3825, 32.7162



31.5352, 35.3825, 19.7117

Rectangle

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



26.1811, 35.3825, 44.9848



30.2002, 35.3825, 64.5022



42.3726, 35.3825, 32.7162



37.3101, 35.3825, 20.6694

Sweetspot

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



26.1822, 35.3839, 44.9856



62.6032, 71.4415, 82.5747



20.3611, 33.0871, 12.9037



13.6650, 15.7505, 18.3264



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



26.1822, 35.3839, 44.9856



44.1491, 61.9650, 80.0423



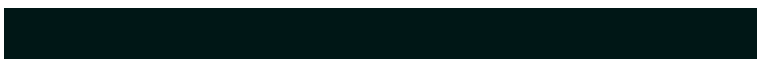
19.1190, 20.9452, 43.5940



8.2289, 9.0691, 10.2306



16.2668, 24.0720, 31.5083



0.4548, 0.6706, 0.8883

Inverse Universe

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



22.0721, 15.4617, 9.8051



36.0337, 22.5948, 10.5529



26.3780, 24.1936, 10.8700



8.0118, 8.0180, 8.3731



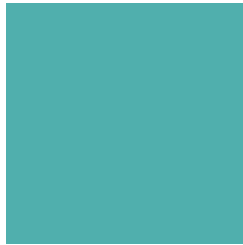
12.6780, 6.5338, 0.6840



0.3549, 0.1826, 0.0304

Previews

White Background



This preview shows how the XYZ color 26.1811, 35.3825, 44.9848 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 26.1811, 35.3825, 44.9848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

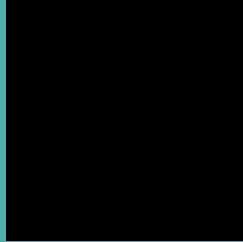
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 26.1811, 35.3825, 44.9848

Background



This preview shows how black text looks on a background with the XYZ color 26.1811, 35.3825, 44.9848.

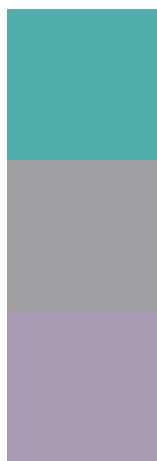


This preview shows how white text looks on a background with the XYZ color 26.1811, 35.3825,

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

26.1811, 35.3825, 44.9848

Protanopia

33.7069, 35.0177, 39.6329

Deuteranopia

35.5935, 34.8325, 46.4423



Tritanopia

27.6595, 35.4063, 52.3900

Trichromacy



Original Color

26.1811, 35.3825, 44.9848



Protanomaly

29.9459, 34.6058, 41.6605



Deuteranomaly

30.7485, 34.1261, 46.0407



Tritanomaly

27.1468, 35.4885, 49.6751

Monochromacy



Original Color

26.1811, 35.3825, 44.9848



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

26.0838, 30.6518, 35.9941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.1811, 35.3825, 44.9848 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(80, 175, 173)` looks like.

```
.text, #text, p{  
    color:rgb(80, 175, 173)  
}
```

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(80, 175, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 175, 173) }
```

Border

The CSS property to change the border of an element to XYZ 26.1811, 35.3825, 44.9848 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(80, 175, 173) }
```


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

```
.border{ border-color:rgb(80, 175, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 175, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 175, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 175, 173);  
box-shadow:4px 4px 4px 4px rgb(80, 175,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 26.1811, 35.3825, 44.9848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 175, 173) }
```

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

```
.background{ background-color: rgb(80, 175,  
173) }
```

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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