

Converting Colors

XYZ(12.8946, 19.1838, 17.7751)

Have a look what the booklet for
XYZ(12.8946, 19.1838, 17.7751)
contains.

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Color

**XYZ(12.8946, 19.1838,
17.7751)**

Conversions

Conversions Part 1

Format	Color
Hex	34876E
RGB	52, 135, 110
RGB Percent	20%, 53%, 43%
CMY	0.7961, 0.4706, 0.5686
CMYK	0.61, 0.00, 0.19, 0.47
HSL	162°, 44%, 37%
HSV	162°, 61%, 53%
XYZ	12.8946, 19.1838, 17.7751
YIQ	107.3330, -41.4430, -25.3710

Conversions

Conversions Part 2

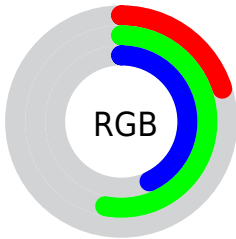
Format	Color
RYB	52, 101, 135
Decimal	3442542
CIELab	50.90, -31.45, 6.04
CIElCh	51, 32.026, 169.128
Yxy	19.1838, 0.2586, 0.3848
Android (android.graphics.Color)	4281632622 (0xFF34876E)
YUV	107.3330, 1.3148, -48.5270
Hunter-Lab	43.7993, -24.0981, 6.5978




Details

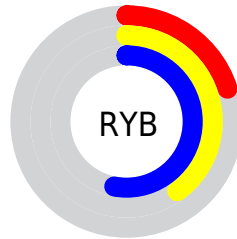
The XYZ color **12.8946, 19.1838, 17.7751** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.5598, 8.1431, 7.9316**, and the grayscale version is **14.0727, 14.8056, 16.1233**.


A 20% lighter version of the original color is **30.7826, 42.1296, 40.6918**, and **4.0398, 6.6884, 5.6355** is the 20% darker color. If you saturate the color by 10%, you get **12.0804, 18.7895, 16.6079**, and if you desaturate by 10%, it is **13.9188, 19.6861, 19.0060**.

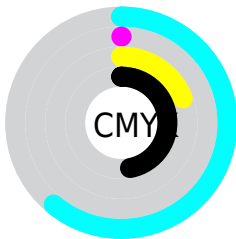
Distribution







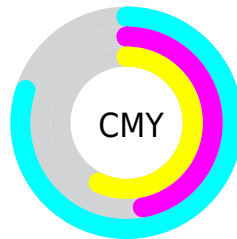
-  Red (20%)
-  Green (53%)
-  Blue (43%)






-  Red (20%)
-  Yellow (40%)
-  Blue (53%)



-  Cyan (61%)
-  Magenta (0%)
-  Yellow (19%)
-  Black (47%)



-  Cyan (80%)
-  Magenta (47%)
-  Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8946, 19.1838, 17.7751 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 12.8946, 19.1838, 17.7751 by changing the saturation by 10% instead.

■ 12.8946, 19.1838,
17.7751

■ 12.8946, 19.1838,
17.7751

203.8923,
247.4616, 251.7937

■ 7.4325, 11.8032,
10.6209

■ 30.7172, 42.0444,
40.4625

■ 3.7827, 6.6098,
5.7016

■ 43.8085, 58.2932,
56.8327

■ 1.5800, 3.2193,
2.5986

■ 60.1735, 78.2669,
77.1120

■ 0.3793, 1.2473,
0.8918

■ 80.1776, 102.3498,
101.7190

■ 0.0000, 0.0998,
0.0000

■ 104.1862,
130.9263, 131.0721

■ 0.0000, 0.0000,
0.0000

■ 132.5646,

164.3808, 165.5899

165.6782,
203.0978, 205.6909

■ 12.8946, 19.1838,
17.7751

■ 12.8946, 19.1838,
17.7751

■ 12.0804, 18.7895,
16.6079

■ 13.9188, 19.6861,
19.0060

■ 11.4570, 18.4920,
15.5016

■ 15.1670, 20.3022,
20.3007

■ 11.0043, 18.2813,
14.4549

■ 16.6537, 21.0400,
21.6610

■ 10.6999, 18.1428,
13.6072

■ 18.3917, 21.9063,
23.0882

■ 20.3930, 22.9070,
24.5834

■ 22.6688, 24.0479,
26.1479

■ 25.2295, 25.3344,
27.7826

■ 28.0850, 26.7717,
29.4889

■ 31.2447, 28.3645,
31.2675

Harmonies

Analogous

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



14.0148, 19.1838, 11.4460



12.8946, 19.1838, 17.7751



13.0751, 19.1838, 27.1235

Triad

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



12.8946, 19.1838, 17.7751



20.2976, 19.1838, 42.0151



22.5049, 19.1838, 10.3004

Complementary

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



12.8946, 19.1838, 17.7751



12.5598, 8.1431, 7.9316

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.



24.5967, 19.1838, 15.6897



12.8946, 19.1838, 17.7751



23.2241, 19.1838, 34.4669

Square

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



12.8946, 19.1838, 17.7751



17.1116, 19.1838, 43.0566



24.8741, 19.1838, 24.3444



19.4037, 19.1838, 8.0370

Rectangle

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



12.8946, 19.1838, 17.7751



13.9153, 19.1838, 33.9035



24.8741, 19.1838, 24.3444



23.3640, 19.1838, 11.7198

Sweetspot

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



12.8951, 19.1846, 17.7755



33.9866, 39.7538, 42.1559



12.4495, 19.2084, 6.3005



7.6656, 9.1040, 9.6049



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.



12.8951, 19.1846, 17.7755



21.1269, 33.4045, 28.8999



12.4804, 15.8609, 25.3262



4.7435, 5.2556, 5.6602



9.8723, 16.7318, 12.5789



0.0374, 0.0593, 0.0606

Inverse Universe

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



12.5598, 8.1431, 7.9316



20.4987, 11.8139, 9.7873



12.6321, 9.4394, 4.4053



4.7260, 4.7101, 5.1697



9.5827, 4.8974, 2.3748



0.0361, 0.0181, 0.0237

Previews

White Background



This preview shows how the XYZ color 12.8946, 19.1838, 17.7751 looks on a white 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

Black Background



This preview shows how the XYZ color 12.8946, 19.1838, 17.7751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

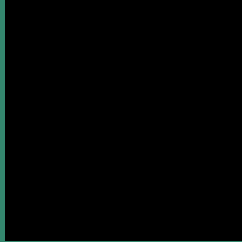
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.8946, 19.1838, 17.7751

Background



This preview shows how black text looks on a background with the XYZ color 12.8946, 19.1838, 17.7751.



This preview shows how white text looks on a background with the XYZ color 12.8946, 19.1838,

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

12.8946, 19.1838, 17.7751

Protanopia

17.8671, 18.9043, 15.2776

Deuteranopia

19.2743, 18.8566, 18.5434



Tritanopia

15.0384, 19.2457, 28.1215

Trichromacy



Original Color

12.8946, 19.1838, 17.7751

Protanomaly

15.1389, 18.3965, 16.1176

Deuteranomaly

15.8893, 18.3614, 18.3294

Tritanomaly

14.1440, 19.0749, 24.0554

Monochromacy



Original Color

12.8946, 19.1838, 17.7751

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.9985, 15.8315, 16.5581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8946, 19.1838, 17.7751 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(52, 135, 110)` looks like.

```
.text, #text, p{  
    color:rgb(52, 135, 110)  
}
```

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(52, 135, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 135, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.8946, 19.1838, 17.7751 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(52, 135, 110) }
```


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

```
.border{ border-color:rgb(52, 135, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 135, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 135, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 135, 110);  
box-shadow:4px 4px 4px 4px rgb(52, 135,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8946, 19.1838, 17.7751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 135, 110) }
```

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

```
.background{ background-color: rgb(52, 135,  
110) }
```

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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