

Converting Colors

XYZ(10.7064, 17.9257, 8.8433)

Have a look what the booklet for
XYZ(10.7064, 17.9257, 8.8433)
contains.

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Color

**XYZ(10.6516, 17.8108,
8.8377)**

Conversions

Conversions Part 1

Format	Color
Hex	2E8547
RGB	46, 133, 71
RGB Percent	18%, 52%, 28%
CMY	0.8196, 0.4784, 0.7216
CMYK	0.65, 0.00, 0.47, 0.48
HSL	137°, 49%, 35%
HSV	137°, 65%, 52%
XYZ	10.6516, 17.8108, 8.8377
YIQ	99.9190, -31.9500, -37.7260

Conversions

Conversions Part 2

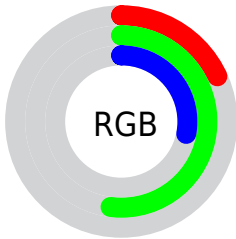
Format	Color
R_{YB}	46, 114, 133
Decimal	3048775
CIE Lab	49.27, -40.26, 25.93
CIE LCh	49, 47.886, 147.210
Yxy	17.8108, 0.2856, 0.4775
Android (android.graphics.Color)	4281238855 (0xFF2E8547)
YUV	99.9190, -14.2571, -47.2870
Hunter-Lab	42.2028, -28.8033, 17.1261

Details

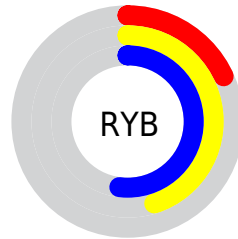
The XYZ color **10.6516, 17.8108, 8.8377** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.3572, 8.0237, 15.0328**, and the grayscale version is **12.1339, 12.7658, 13.9020**.

A 20% lighter version of the original color is **26.6400, 39.7215, 24.0322**, and **3.1928, 6.1048, 1.9298** is the 20% darker color. If you saturate the color by 10%, you get **9.8620, 17.4367, 7.3350**, and if you desaturate by 10%, it is **11.6752, 18.3011, 10.5999**.

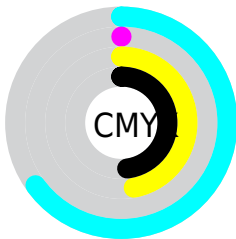
Distribution



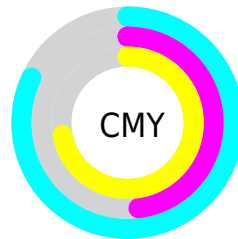
- Red (18%)
- Green (52%)
- Blue (28%)



- Red (18%)
- Yellow (45%)
- Blue (52%)



- Cyan (65%)
- Magenta (0%)
- Yellow (47%)
- Black (48%)



- Cyan (82%)
- Magenta (48%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6516, 17.8108, 8.8377 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 10.6516, 17.8108, 8.8377 by changing the saturation by 10% instead.

■ 10.6516, 17.8108,
8.8377

■ 10.6516, 17.8108,
8.8377

189.2195,
239.8024, 192.3358

■ 5.8986, 10.8142,
4.5401

■ 26.6528, 39.7147,
24.1578

■ 2.8236, 5.9421,
1.9261

■ 38.6317, 55.3908,
36.0173

■ 1.0612, 2.8099,
0.5093

■ 53.7500, 74.7288,
51.2346

■ 0.0000, 1.0333,
0.0000

■ 72.3731, 98.1133,
70.2281

■ 0.0000, 0.0000,
0.0000

■ 94.8662, 125.9284,
93.4165

■ 121.5947,

158.5588, 121.2182

152.9241,
196.3886, 154.0517

■ 10.6516, 17.8108,
8.8377

■ 10.6516, 17.8108,
8.8377

■ 9.8620, 17.4367,
7.3350

■ 11.6752, 18.3011,
10.5999

■ 9.2852, 17.1665,
6.0782

■ 12.9492, 18.9142,
12.6319

■ 8.8924, 16.9863,
5.0541

■ 14.4897, 19.6587,
14.9450

■ 8.7412, 16.9170,
4.6569

■ 16.3114, 20.5421,
17.5495

■ 18.4276, 21.5709,
20.4549

■ 20.8510, 22.7515,
23.6705

■ 23.5932, 24.0898,
27.2053

■ 26.6655, 25.5914,
31.0676

■ 30.0786, 27.2615,
35.2658

Harmonies

Analogous

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



13.2754, 17.8108, 4.6565



10.6516, 17.8108, 8.8377



9.6789, 17.8108, 18.2128

Triad

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



10.6516, 17.8108, 8.8377



16.5114, 17.8108, 56.1216



25.8393, 17.8108, 10.1321

Complementary

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



10.6516, 17.8108, 8.8377



13.3572, 8.0237, 15.0328

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.



27.1144, 17.8108, 20.6230



10.6516, 17.8108, 8.8377



21.1972, 17.8108, 50.7951

Square

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



10.6516, 17.8108, 8.8377



12.6653, 17.8108, 48.5399



25.2856, 17.8108, 36.1281



22.0551, 17.8108, 5.1376

Rectangle

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



10.6516, 17.8108, 8.8377



9.9408, 17.8108, 27.6795



25.2856, 17.8108, 36.1281



26.6018, 17.8108, 12.9511

Sweetspot

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



10.6520, 17.8115, 8.8381



31.0209, 37.6656, 33.9375



15.1083, 20.1832, 5.6845



6.7890, 8.3886, 7.3702



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.6520, 17.8115, 8.8381



17.1652, 30.9917, 12.1009



12.5606, 18.5750, 18.8884



4.6673, 5.2251, 5.2591



8.3291, 16.1145, 4.4523



0.0317, 0.0570, 0.0304

Inverse Universe

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



13.3572, 8.0237, 15.0328



22.3605, 12.0618, 23.9000



11.6002, 7.3208, 5.7803



4.8024, 4.7406, 5.5715



11.1752, 5.5344, 10.7610



0.0419, 0.0204, 0.0539

Previews

White Background



This preview shows how the XYZ color 10.6516, 17.8108, 8.8377 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 10.6516, 17.8108, 8.8377 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 10.6516, 17.8108, 8.8377

Background



This preview shows how black text looks on a background with the XYZ color 10.6516, 17.8108, 8.8377.



This preview shows how white text looks on a background with the XYZ color 10.6516, 17.8108,

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

10.6516, 17.8108, 8.8377

Protanopia

16.1016, 17.4616, 7.5228

Deuteranopia

17.8042, 17.4661, 9.2704



Tritanopia

14.1516, 17.8575, 25.9935

Trichromacy



Original Color

10.6516, 17.8108, 8.8377

Protanomaly

13.0097, 16.9210, 7.8906

Deuteranomaly

13.7767, 16.7522, 8.9860

Tritanomaly

12.5785, 17.8002, 18.1021

Monochromacy



Original Color

10.6516, 17.8108, 8.8377

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

10.9056, 14.0151, 11.5816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6516, 17.8108, 8.8377 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(46, 133, 71)` looks like.

```
.text, #text, p{  
    color:rgb(46, 133, 71)  
}
```

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(46, 133, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 133, 71) }
```

Border

The CSS property to change the border of an element to XYZ 10.6516, 17.8108, 8.8377 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(46, 133, 71) }
```


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

```
.border{ border-color:rgb(46, 133, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 133, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 133, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 133, 71);  
box-shadow:4px 4px 4px 4px rgb(46, 133,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6516, 17.8108, 8.8377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 133, 71) }
```

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

```
.background{ background-color: rgb(46, 133,  
71) }
```

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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