

Converting Colors

XYZ(10.4591, 17.8562, 8.6500)

Have a look what the booklet for
XYZ(10.4591, 17.8562, 8.6500)
contains.

XYZ(10.5057, 17.9435, 8.7041)	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(10.5057, 17.9435,
8.7041)**

Conversions

Conversions Part 1

Format	Color
Hex	288646
RGB	40, 134, 70
RGB Percent	16%, 53%, 27%
CMY	0.8431, 0.4745, 0.7255
CMYK	0.70, 0.00, 0.48, 0.47
HSL	139°, 54%, 34%
HSV	139°, 70%, 53%
XYZ	10.5057, 17.9435, 8.7041
YIQ	98.5980, -35.4800, -39.8320

Conversions

Conversions Part 2

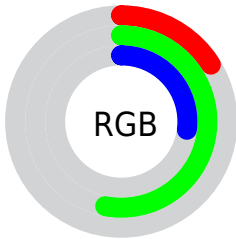
Format	Color
R_{YB}	40, 111, 134
Decimal	2655814
CIE _{Lab}	49.43, -42.06, 26.65
CIE _{LCh}	49, 49.791, 147.640
Yxy	17.9435, 0.2828, 0.4830
Android (android.graphics.Color)	4280845894 (0xFF288646)
YUV	98.5980, -14.0988, -51.3904
Hunter-Lab	42.3598, -29.8596, 17.4689




Details

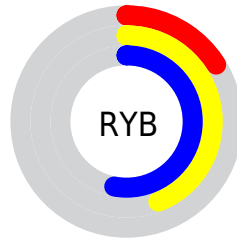
The XYZ color **10.5057, 17.9435, 8.7041** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.0896, 7.5858, 13.8719**, and the grayscale version is **11.7998, 12.4143, 13.5192**.




A 20% lighter version of the original color is **26.3500, 39.8950, 23.7645**, and **3.2581, 6.2525, 1.8993** is the 20% darker color. If you saturate the color by 10%, you get **9.8060, 17.6141, 7.2807**, and if you desaturate by 10%, it is **11.4308, 18.3850, 10.3673**.

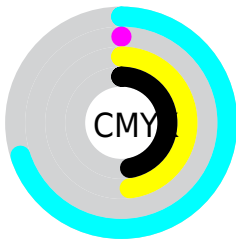
Distribution







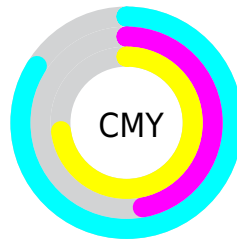
-  Red (16%)
-  Green (53%)
-  Blue (27%)






-  Red (16%)
-  Yellow (44%)
-  Blue (53%)



-  Cyan (70%)
-  Magenta (0%)
-  Yellow (48%)
-  Black (47%)



-  Cyan (84%)
-  Magenta (47%)
-  Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5057, 17.9435, 8.7041 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 10.5057, 17.9435, 8.7041 by changing the saturation by 10% instead.

■ 10.5057, 17.9435,
8.7041

■ 10.5057, 17.9435,
8.7041

188.2234,
240.5524, 191.2910

■ 5.8003, 10.9094,
4.4545

■ 26.3836, 39.9410,
23.8962

■ 2.7636, 6.0060,
1.8779

■ 38.2868, 55.6733,
35.6758

■ 1.0300, 2.8487,
0.4786

■ 53.3200, 75.0737,
50.8025

■ 0.0000, 1.0533,
0.0000

■ 71.8485, 98.5267,
69.6947

■ 0.0000, 0.0000,
0.0000

■ 94.2378, 126.4167,
92.7712

■ 120.8531,

159.1280, 120.4504

152.0599,
197.0451, 153.1508

■ 10.5057, 17.9435,
8.7041

■ 10.5057, 17.9435,
8.7041

■ 9.8060, 17.6141,
7.2807

■ 11.4308, 18.3850,
10.3673

■ 9.3087, 17.3837,
6.0847

■ 12.5985, 18.9459,
12.2796

■ 8.9572, 17.2235,
5.1154

■ 14.0260, 19.6352,
14.4514

■ 15.7284, 20.4606,
16.8918

■ 17.7196, 21.4290,
19.6097

■ 20.0127, 22.5470,
22.6136

■ 22.6196, 23.8207,
25.9115

■ 25.5520, 25.2557,
29.5112

■ 28.8208, 26.8577,
33.4202

Harmonies

Analogous

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



13.1979, 17.9435, 4.4125



10.5057, 17.9435, 8.7041



9.5276, 17.9435, 18.4913

Triad

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



10.5057, 17.9435, 8.7041



16.6855, 17.9435, 58.4618



26.3741, 17.9435, 9.8254

Complementary

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



10.5057, 17.9435, 8.7041



13.0896, 7.5858, 13.8719

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.



27.7662, 17.9435, 20.6222



10.5057, 17.9435, 8.7041



21.5981, 17.9435, 52.5854

Square

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



10.5057, 17.9435, 8.7041



12.6623, 17.9435, 50.5509



25.8798, 17.9435, 36.9134



22.3610, 17.9435, 4.8195

Rectangle

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



10.5057, 17.9435, 8.7041



9.8134, 17.9435, 28.4725



25.8798, 17.9435, 36.9134



27.1930, 17.9435, 12.6995

Sweetspot

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



10.5061, 17.9442, 8.7045



30.7281, 37.5154, 33.8913



14.6448, 20.1613, 5.1274



6.7334, 8.3597, 7.3797



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.



10.5061, 17.9442, 8.7045



16.7361, 30.7816, 11.5784



12.5979, 18.7809, 19.7196



4.6730, 5.2274, 5.2894



8.3984, 16.1422, 4.8174



0.0321, 0.0571, 0.0327

Inverse Universe

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



13.0896, 7.5858, 13.8719



21.5566, 11.2784, 21.0905



11.3352, 6.8841, 4.6332



4.7963, 4.7382, 5.5398



10.9977, 5.4634, 9.8264



0.0414, 0.0203, 0.0516

Previews

White Background



This preview shows how the XYZ color 10.5057, 17.9435, 8.7041 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 10.5057, 17.9435, 8.7041 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 10.5057, 17.9435, 8.7041

Background



This preview shows how black text looks on a background with the XYZ color 10.5057, 17.9435, 8.7041.



This preview shows how white text looks on a background with the XYZ color 10.5057, 17.9435,

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

10.5057, 17.9435, 8.7041

Protanopia

16.1888, 17.6819, 7.4102

Deuteranopia

18.0832, 17.7729, 9.3149



Tritanopia

14.1546, 18.0416, 26.4033

Trichromacy



Original Color

10.5057, 17.9435, 8.7041

Protanomaly

12.8902, 17.0461, 7.7651

Deuteranomaly

13.6614, 16.8704, 9.0148

Tritanomaly

12.5388, 17.9697, 18.4304

Monochromacy



Original Color

10.5057, 17.9435, 8.7041

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.6975, 13.9126, 11.3541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5057, 17.9435, 8.7041 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(40, 134, 70)` looks like.

```
.text, #text, p{  
  color:rgb(40, 134, 70)  
}
```

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(40, 134, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 134, 70) }
```

Border

The CSS property to change the border of an element to XYZ 10.5057, 17.9435, 8.7041 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(40, 134, 70) }
```


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

```
.border{ border-color:rgb(40, 134, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 134, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 134, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 134, 70);  
box-shadow:4px 4px 4px 4px rgb(40, 134,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5057, 17.9435, 8.7041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 134, 70) }
```

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

```
.background{ background-color: rgb(40, 134,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor