

Converting Colors

XYZ(12.8234, 21.6289, 7.7182)

Have a look what the booklet for
XYZ(12.8234, 21.6289, 7.7182)
contains.

XYZ(12.8045, 21.5377, 7.7573)	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(12.8045, 21.5377,
7.7573)**

Conversions

Conversions Part 1

Format	Color
Hex	3C913C
RGB	60, 145, 60
RGB Percent	24%, 57%, 24%
CMY	0.7647, 0.4314, 0.7647
CMYK	0.59, 0.00, 0.59, 0.43
HSL	120°, 41%, 40%
HSV	120°, 59%, 57%
XYZ	12.8045, 21.5377, 7.7573
YIQ	109.8950, -23.3750, -44.4550

Conversions

Conversions Part 2

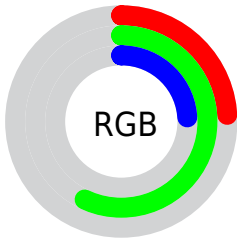
Format	Color
RYB	60, 145, 145
Decimal	3969340
CIELab	53.53, -43.39, 36.97
CIELCh	54, 57.009, 139.568
Yxy	21.5377, 0.3041, 0.5116
Android (android.graphics.Color)	4282159420 (0xFF3C913C)
YUV	109.8950, -24.5982, -43.7579
Hunter-Lab	46.4087, -31.9658, 22.5757

Details

The XYZ color **12.8045, 21.5377, 7.7573** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.4043, 11.2961, 27.9988**, and the grayscale version is **14.8645, 15.6386, 17.0304**.

A 20% lighter version of the original color is **30.6712, 46.1473, 22.0426**, and **3.9582, 7.8462, 1.5356** is the 20% darker color. If you saturate the color by 10%, you get **11.7136, 21.0143, 5.9725**, and if you desaturate by 10%, it is **14.2416, 22.2287, 10.1076**.

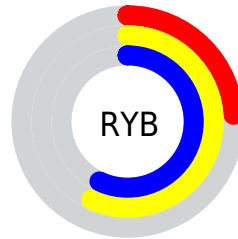
Distribution



Red (24%)

Green (57%)

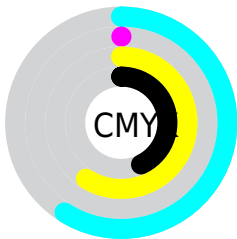
Blue (24%)



Red (24%)

Yellow (57%)

Blue (57%)

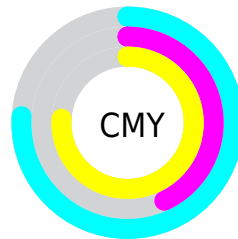


Cyan (59%)

Magenta (0%)

Yellow (59%)

Black (43%)



Cyan (76%)

Magenta (43%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8045, 21.5377, 7.7573 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 12.8045, 21.5377, 7.7573 by changing the saturation by 10% instead.

■ 12.8045, 21.5377,
7.7573

■ 12.8045, 21.5377,
7.7573

203.3239,
260.1224, 183.6788

■ 7.3701, 13.5176,
3.8545

■ 30.5564, 45.9807,
22.0195

■ 3.7430, 7.7859,
1.5459

■ 43.6047, 63.1724,
33.2160

■ 1.5578, 3.9583,
0.2518

■ 59.9216, 84.1901,
47.6809

■ 0.3647, 1.6502,
0.0000

■ 79.8726, 109.4182,
65.8326

■ 0.0000, 0.3911,
0.0000

■ 103.8230,
139.2411, 88.0897

■ 0.0000, 0.0000,
0.0000

■ 132.1381,

174.0432, 114.8707

165.1833,
214.2088, 146.5942

■ 12.8045, 21.5377,
7.7573

■ 12.8045, 21.5377,
7.7573

■ 11.7136, 21.0143,
5.9725

■ 14.2416, 22.2287,
10.1076

■ 10.9383, 20.6419,
4.7043

■ 16.0490, 23.0969,
13.0640

■ 10.4455, 20.4052,
3.8982

■ 18.2505, 24.1544,
16.6649

■ 10.1618, 20.2689,
3.4342

■ 20.8674, 25.4114,
20.9453

■ 10.1258, 20.2517,
3.3754

■ 23.9196, 26.8775,
25.9376

■ 27.4255, 28.5616,
31.6722

■ 31.4027, 30.4720,
38.1775

■ 35.8677, 32.6168,
45.4807

■ 40.8362, 35.0034,
53.6075

Harmonies

Analogous

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



16.8025, 21.5377, 3.9428



12.8045, 21.5377, 7.7573



10.9976, 21.5377, 17.8997

Triad

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



12.8045, 21.5377, 7.7573



18.4277, 21.5377, 74.1392



33.5685, 21.5377, 13.9359

Complementary

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



12.8045, 21.5377, 7.7573



18.4043, 11.2961, 27.9988

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.



34.2426, 21.5377, 30.0453



12.8045, 21.5377, 7.7573



24.6379, 21.5377, 71.2080

Square

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



12.8045, 21.5377, 7.7573



13.7910, 21.5377, 59.2457



30.7122, 21.5377, 52.5277



29.0200, 21.5377, 6.0911

Rectangle

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



12.8045, 21.5377, 7.7573



10.9774, 21.5377, 29.4627



30.7122, 21.5377, 52.5277



34.2857, 21.5377, 18.3181

Sweetspot

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



12.8050, 21.5386, 7.7578



37.4938, 45.5662, 37.7127



22.6190, 26.5979, 8.2168



8.0491, 9.9965, 7.9123



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.8050, 21.5386, 7.7578



20.5272, 37.4163, 9.9606



14.4126, 22.1816, 16.2231



5.3429, 6.0294, 5.7716



8.6849, 17.3698, 2.8951



0.0830, 0.1661, 0.0277

Inverse Universe

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



18.4043, 11.2961, 27.9988



31.5083, 17.3293, 49.6562



15.7167, 10.2211, 13.8457



5.6263, 5.5110, 6.7959



14.3994, 6.9168, 23.5522



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 12.8045, 21.5377, 7.7573 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 12.8045, 21.5377, 7.7573 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 12.8045, 21.5377, 7.7573

Background



This preview shows how black text looks on a background with the XYZ color 12.8045, 21.5377, 7.7573.



This preview shows how white text looks on a background with the XYZ color 12.8045, 21.5377,

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

12.8045, 21.5377, 7.7573

Protanopia

19.2635, 21.1173, 6.6752

Deuteranopia

21.5608, 21.1479, 8.2558



Tritanopia

17.4640, 21.4642, 30.8263

Trichromacy



Original Color

12.8045, 21.5377, 7.7573

Protanomaly

15.9457, 20.7903, 7.0434

Deuteranomaly

16.7932, 20.4004, 7.9031

Tritanomaly

15.0748, 21.1195, 19.5016

Monochromacy



Original Color

12.8045, 21.5377, 7.7573

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.4284, 17.2139, 12.7401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8045, 21.5377, 7.7573 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(60, 145, 60)` looks like.

```
.text, #text, p{  
    color:rgb(60, 145, 60)  
}
```

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(60, 145, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 145, 60) }
```

Border

The CSS property to change the border of an element to XYZ 12.8045, 21.5377, 7.7573 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(60, 145, 60) }
```


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

```
.border{ border-color:rgb(60, 145, 60) }
```

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

Here you see how a box with a 4 pixel rgb(60, 145, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 145, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 145, 60);  
box-shadow:4px 4px 4px 4px rgb(60, 145,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8045, 21.5377, 7.7573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 145, 60) }
```

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

```
.background{ background-color: rgb(60, 145,  
60) }
```

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