

Converting Colors

XYZ(32.8406, 52.6517, 13.9763)

Have a look what the booklet for
XYZ(32.8406, 52.6517, 13.9763)
contains.

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Color

**XYZ(32.6977, 52.4324,
13.8660)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 77D644 |
| RGB | 119, 214, 68 |
| RGB Percent | 47%, 84%, 27% |
| CMY | 0.5333, 0.1608, 0.7333 |
| CMYK | 0.44, 0.00, 0.68, 0.16 |
| HSL | 99°, 64%, 55% |
| HSV | 99°, 68%, 84% |
| XYZ | 32.6977, 52.4324, 13.8660 |
| YIQ | 168.9510, -9.7540, -65.5460 |

Conversions

Conversions Part 2

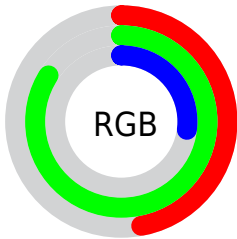
| Format | Color |
|-------------------------------------|--|
| RYB | 68, 214, 163 |
| Decimal | 7853636 |
| CIELab | 77.54, -52.84, 60.65 |
| CIELCh | 78, 80.440, 131.062 |
| Yxy | 52.4324, 0.3303, 0.5296 |
| Android (android.graphics.Color) | 4286043716 (0xFF77D644) |
| YUV | 168.9510, -49.7688, -43.8070 |
| Hunter-Lab | 72.4102, -46.1141, 39.3336 |

Details

The XYZ color **32.6977, 52.4324, 13.8660** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **29.3118, 16.7777, 65.3147**, and the grayscale version is **37.9311, 39.9064, 43.4581**.

A 20% lighter version of the original color is **57.4666, 82.2972, 31.5950**, and **13.9718, 25.3533, 4.1573** is the 20% darker color. If you saturate the color by 10%, you get **30.3872, 51.3051, 10.9490**, and if you desaturate by 10%, it is **35.5290, 53.8039, 18.0533**.

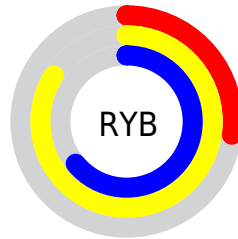
Distribution



Red (47%)

Green (84%)

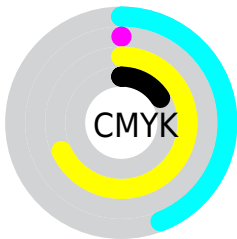
Blue (27%)



Red (27%)

Yellow (84%)

Blue (64%)

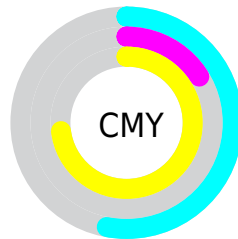


Cyan (44%)

Magenta (0%)

Yellow (68%)

Black (16%)



Cyan (53%)

Magenta (16%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6977, 52.4324, 13.8660 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 32.6977, 52.4324, 13.8660 by changing the saturation by 10% instead.


 32.6977, 52.4324,
13.8660


 32.6977, 52.4324,
13.8660


305.9745,
396.1036, 227.7950

 22.0531, 37.3498,
7.8898


 63.2611, 93.7686,
33.5648

 14.0127, 25.4785,
3.9378


 83.9106, 120.7911,
48.1245


 8.2113, 16.4339,
1.5913


 108.6258,
152.5623, 66.3824

 4.2834, 9.8317,
0.2846

 137.7721,
189.4667, 88.7572

 1.8637, 5.2875,
0.0000

 171.7147,
231.8886, 115.6673

 0.5556, 2.4169,
0.0000

210.8191,

 0.0000, 0.8346,

280.2125, 147.5312

0.0000

255.4505,
334.8227, 184.7676

■ 0.0000, 0.0000,
0.0000

■ 32.6977, 52.4324,
13.8660

■ 32.6977, 52.4324,
13.8660

■ 30.3872, 51.3051,
10.9490

■ 35.5290, 53.8039,
18.0533

■ 28.5544, 50.3981,
9.1541

■ 38.9122, 55.4280,
23.6308

■ 27.1471, 49.6907,
8.2697


■ 42.8797, 57.3208,
30.7080


■ 26.9296, 49.5810,
8.1508


■ 47.4602, 59.4949,
39.3827

■ 52.6804, 61.9621,
49.7445

 58.5652, 64.7334,
61.8763

 65.1382, 67.8193,
75.8554

 72.4218, 71.2297,
91.7547

 79.5208, 74.6076,
104.8173

Harmonies

Analogous

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



44.3286, 52.4324, 7.5949



32.6977, 52.4324, 13.8660



26.6112, 52.4324, 33.6113

Triad

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



32.6977, 52.4324, 13.8660



40.7681, 52.4324, 182.0065



85.2154, 52.4324, 42.2179

Complementary

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



32.6977, 52.4324, 13.8660



29.3118, 16.7777, 65.3147

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.



83.7081, 52.4324, 89.5445



32.6977, 52.4324, 13.8660



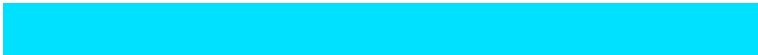
55.7804, 52.4324, 188.6644

Square

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



32.6977, 52.4324, 13.8660



30.5586, 52.4324, 133.5964



72.1087, 52.4324, 148.7609



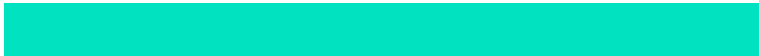
75.8787, 52.4324, 17.3531

Rectangle

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



32.6977, 52.4324, 13.8660



25.5659, 52.4324, 58.6879



72.1087, 52.4324, 148.7609



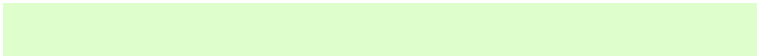
86.0030, 52.4324, 55.5213

Sweetspot

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



32.6989, 52.4346, 13.8672



76.7261, 91.3798, 70.7209



41.8566, 40.8747, 11.1532



15.9415, 19.3318, 14.1760



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.6989, 52.4346, 13.8672



43.8500, 75.6338, 14.8621



28.2733, 50.0610, 17.8243



12.6675, 14.1048, 13.2156



16.3785, 30.0197, 4.9312



1.0760, 1.8561, 0.3015

Inverse Universe

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



29.3118, 16.7777, 65.3147



38.3063, 19.1070, 96.2768



39.3262, 22.2421, 52.1503



12.5125, 12.4056, 15.6726



13.9140, 6.3254, 38.9407



0.9271, 0.4268, 2.3528

Previews

White Background



This preview shows how the XYZ color 32.6977, 52.4324, 13.8660 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 32.6977, 52.4324, 13.8660 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 32.6977, 52.4324, 13.8660

Background



This preview shows how black text looks on a background with the XYZ color 32.6977, 52.4324, 13.8660.



This preview shows how white text looks on a background with the XYZ color 32.6977, 52.4324,

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

32.6977, 52.4324, 13.8660

Protanopia

46.9409, 51.7555, 12.0732

Deuteranopia

52.5272, 51.4451, 14.5586



Tritanopia

44.3766, 52.1061, 72.6843

Trichromacy



Original Color

32.6977, 52.4324, 13.8660



Protanomaly

39.9392, 50.8007, 12.5510



Deuteranomaly

42.3323, 49.9854, 14.0736



Tritanomaly

38.1844, 51.3396, 42.0794

Monochromacy



Original Color

32.6977, 52.4324, 13.8660



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.2763, 42.9432, 28.3121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6977, 52.4324, 13.8660 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(119, 214, 68)` looks like.

```
.text, #text, p{  
    color:rgb(119, 214, 68)  
}
```

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(119, 214, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 214, 68) }
```

Border

The CSS property to change the border of an element to XYZ 32.6977, 52.4324, 13.8660 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(119, 214, 68) }
```


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

```
.border{ border-color:rgb(119, 214, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 214, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 214, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 214, 68);  
box-shadow:4px 4px 4px 4px rgb(119, 214,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6977, 52.4324, 13.8660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 214, 68) }
```

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

```
.background{ background-color: rgb(119,  
214, 68) }
```

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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