

Converting Colors

XYZ(32.6778, 55.3072, 14.9126)

Have a look what the booklet for
XYZ(32.6778, 55.3072, 14.9126)
contains.

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Color

**XYZ(32.8521, 55.5810,
14.9580)**

Conversions

Conversions Part 1

Format	Color
Hex	67DE47
RGB	103, 222, 71
RGB Percent	40%, 87%, 28%
CMY	0.5961, 0.1294, 0.7215
CMYK	0.54, 0.00, 0.68, 0.13
HSL	107°, 70%, 57%
HSV	107°, 68%, 87%
XYZ	32.8521, 55.5810, 14.9580
YIQ	169.2050, -22.4530, -72.1890

Conversions

Conversions Part 2

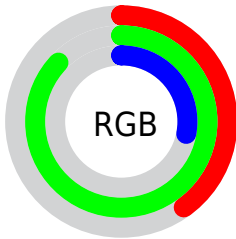
Format	Color
RYB	71, 222, 190
Decimal	6807111
CIELab	79.37, -60.20, 61.24
CIELCh	79, 85.877, 134.509
Yxy	55.5810, 0.3177, 0.5376
Android (android.graphics.Color)	4284997191 (0xFF67DE47)
YUV	169.2050, -48.4151, -58.0618
Hunter-Lab	74.5527, -51.8100, 40.2911

Details

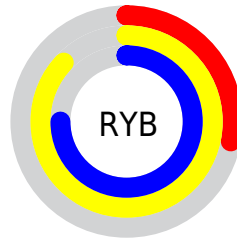
The XYZ color **32.8521, 55.5810, 14.9580** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **36.6765, 20.7297, 71.1784**, and the grayscale version is **38.0552, 40.0371, 43.6004**.

A 20% lighter version of the original color is **54.6302, 80.8129, 32.4578**, and **14.1716, 27.5485, 4.5705** is the 20% darker color. If you saturate the color by 10%, you get **30.4649, 54.4198, 11.7826**, and if you desaturate by 10%, it is **35.9221, 57.0674, 19.5256**.

Distribution



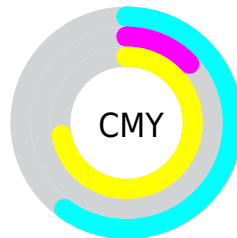
- Red (40%)
- Green (87%)
- Blue (28%)



- Red (28%)
- Yellow (87%)
- Blue (75%)



- Cyan (54%)
- Magenta (0%)
- Yellow (68%)
- Black (13%)





- Cyan (60%)
- Magenta (13%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8521, 55.5810, 14.9580 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 32.8521, 55.5810, 14.9580 by changing the saturation by 10% instead.


 32.8521, 55.5810,
14.9580


 32.8521, 55.5810,
14.9580


306.6595,
408.1105, 234.7439

 22.1719, 39.8671,
8.6436


 63.5008, 98.3917,
35.5207


 14.1005, 27.4349,
4.4158


 84.1999, 126.2573,
50.6062


 8.2728, 17.9001,
1.8561


 108.9694,
158.9422, 69.4524

 4.3233, 10.8783,
0.4646

 138.1746,
196.8308, 92.4779

 1.8866, 5.9851,
0.0000

 172.1809,
240.3075, 120.1013

 0.5690, 2.8360,
0.0000

211.3535,

 0.0000, 1.0467,

289.7568, 152.7410

0.0000

256.0580,
345.5630, 190.8157

■ 0.0000, 0.0000,
0.0000

■ 32.8521, 55.5810,
14.9580

■ 32.8521, 55.5810,
14.9580

■ 30.4649, 54.4198,
11.7826

■ 35.9221, 57.0674,
19.5256

■ 28.7001, 53.5513,
9.8369

■ 39.7204, 58.8946,
25.6168


■ 27.4872, 52.9456,
8.8973


■ 44.2931, 61.0855,
33.3519


■ 27.2965, 52.8501,
8.7624


■ 49.6811, 63.6587,
42.8381

■ 55.9225, 66.6318,
54.1738

 63.0528, 70.0212,
67.4497

 71.1056, 73.8422,
82.7509

 80.1126, 78.1096,
100.1571

 85.4124, 80.7248,
105.6875

Harmonies

Analogous

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



44.9600, 55.5810, 7.3140



32.8521, 55.5810, 14.9580



26.9154, 55.5810, 38.5628

Triad

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



32.8521, 55.5810, 14.9580



44.4700, 55.5810, 205.5887



91.7979, 55.5810, 39.7358

Complementary

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



32.8521, 55.5810, 14.9580



36.6765, 20.7297, 71.1784

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.



91.5859, 55.5810, 89.5379



32.8521, 55.5810, 14.9580



61.5643, 55.5810, 206.5398

Square

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



32.8521, 55.5810, 14.9580



32.5609, 55.5810, 154.2907



79.6016, 55.5810, 156.4432



80.1296, 55.5810, 15.4147

Rectangle

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



32.8521, 55.5810, 14.9580



26.2197, 55.5810, 68.2833



79.6016, 55.5810, 156.4432



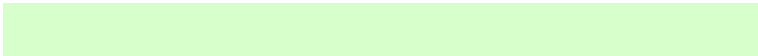
93.1828, 55.5810, 53.3654

Sweetspot

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



32.8534, 55.5834, 14.9592



74.6265, 90.2974, 70.6226



49.5226, 52.5044, 13.4864



15.4448, 19.0757, 14.1528



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.



32.8534, 55.5834, 14.9592



40.4877, 73.9005, 14.7047



31.7465, 54.7947, 24.7597



13.7988, 15.4765, 14.5668



16.2886, 31.4296, 5.2080



1.2040, 2.2171, 0.3645

Inverse Universe

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



36.6765, 20.7297, 71.1784



45.7996, 22.9700, 96.6275



40.5381, 23.3010, 45.1262



13.9959, 13.7814, 17.3101



18.4237, 8.5931, 41.7360



1.3490, 0.6327, 2.8963

Previews

White Background



This preview shows how the XYZ color 32.8521, 55.5810, 14.9580 looks on a white background.

Color Contrast Check

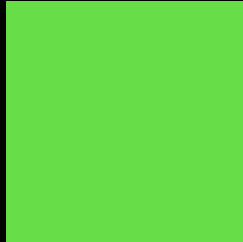
Large Text (above 18pt) WCAG AA × Fail

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 32.8521, 55.5810, 14.9580 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 32.8521, 55.5810, 14.9580

Background



This preview shows how black text looks on a background with the XYZ color 32.8521, 55.5810, 14.9580.

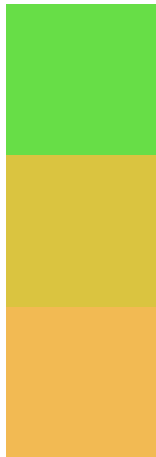


This preview shows how white text looks on a background with the XYZ color 32.8521, 55.5810,

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

32.8521, 55.5810, 14.9580

Protanopia

49.5788, 54.7554, 12.8063

Deuteranopia

55.7382, 54.6196, 15.7885



Tritanopia

45.4402, 54.9940, 78.7410

Trichromacy



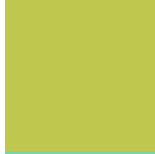
Original Color

32.8521, 55.5810, 14.9580



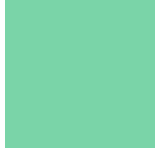
Protanomaly

40.7489, 53.2980, 13.4500



Deuteranomaly

43.3206, 52.4877, 15.2450



Tritanomaly

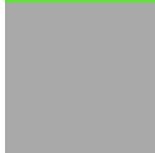
38.6374, 54.0517, 45.4424

Monochromacy



Original Color

32.8521, 55.5810, 14.9580



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.8939, 43.6796, 28.8349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8521, 55.5810, 14.9580 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(103, 222, 71)` looks like.

```
.text, #text, p{  
    color:rgb(103, 222, 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(103, 222, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 222, 71) }
```

Border

The CSS property to change the border of an element to XYZ 32.8521, 55.5810, 14.9580 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(103, 222, 71) }
```


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

```
.border{ border-color:rgb(103, 222, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 222, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 222, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 222, 71);  
box-shadow:4px 4px 4px 4px rgb(103, 222,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8521, 55.5810, 14.9580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 222, 71) }
```

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

```
.background{ background-color: rgb(103,  
222, 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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