

Converting Colors

XYZ(32.1328, 57.7677, 13.3810)

Have a look what the booklet for
XYZ(32.1328, 57.7677, 13.3810)
contains.

XYZ(32.0492, 57.6212, 13.3037)	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(32.0492, 57.6212,
13.3037)**

Conversions

Conversions Part 1

Format	Color
Hex	53E439
RGB	83, 228, 57
RGB Percent	33%, 89%, 22%
CMY	0.6745, 0.1059, 0.7764
CMYK	0.64, 0.00, 0.75, 0.11
HSL	111°, 76%, 56%
HSV	111°, 75%, 89%
XYZ	32.0492, 57.6212, 13.3037
YIQ	165.1510, -31.5290, -83.9210

Conversions

Conversions Part 2

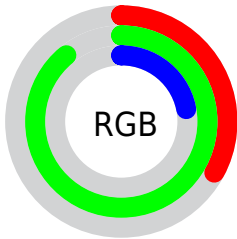
Format	Color
RYB	57, 228, 202
Decimal	5497913
CIELab	80.53, -68.05, 67.18
CIElCh	81, 95.630, 135.369
Yxy	57.6212, 0.3112, 0.5596
Android (android.graphics.Color)	4283687993 (0xFF53E439)
YUV	165.1510, -53.3184, -72.0464
Hunter-Lab	75.9086, -57.4760, 42.7449

Details

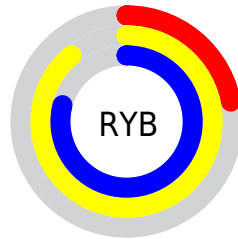
The XYZ color **32.0492, 57.6212, 13.3037** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **39.8276, 21.0866, 75.3728**, and the grayscale version is **36.0970, 37.9769, 41.3568**.

A 20% lighter version of the original color is **51.0673, 79.0537, 28.7870**, and **14.5629, 29.1258, 4.8543** is the 20% darker color. If you saturate the color by 10%, you get **30.1290, 56.6846, 10.8823**, and if you desaturate by 10%, it is **34.7029, 58.9099, 17.0938**.

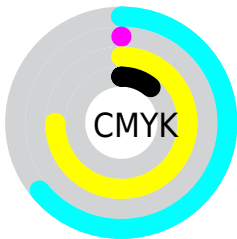
Distribution



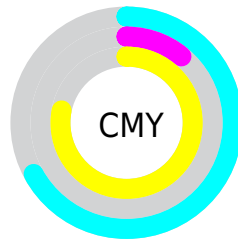
- Red (33%)
- Green (89%)
- Blue (22%)



- Red (22%)
- Yellow (89%)
- Blue (79%)



- Cyan (64%)
- Magenta (0%)
- Yellow (75%)
- Black (11%)



- Cyan (67%)
- Magenta (11%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0492, 57.6212, 13.3037 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 32.0492, 57.6212, 13.3037 by changing the saturation by 10% instead.

■ 32.0492, 57.6212,
13.3037

■ 32.0492, 57.6212,
13.3037

303.0846,
415.7730, 224.1307

■ 21.5548, 41.5042,
7.5048

■ 62.2529, 101.3710,
32.5475

■ 13.6449, 28.7133,
3.6966

■ 82.6929, 129.7726,
46.8295

■ 7.9542, 18.8640,
1.4604

■ 107.1788,
163.0379, 64.7762

■ 4.1172, 11.5721,
0.1882

■ 136.0760,
201.5512, 86.8063

■ 1.7686, 6.4530,
0.0000

■ 169.7498,
245.6970, 113.3383

■ 0.4987, 3.1224,
0.0000

208.5656,

■ 0.0000, 1.1960,

295.8596, 144.7906

0.0000

252.8888,
352.4235, 181.5819

■ 0.0000, 0.0584,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.0492, 57.6212,
13.3037

■ 32.0492, 57.6212,
13.3037

■ 30.1290, 56.6846,
10.8823

■ 34.7029, 58.9099,
17.0938


■ 28.8603, 56.0571,
9.6281


■ 38.1524, 60.5740,
22.4100


■ 28.4262, 55.8405,
9.2801


■ 42.4575, 62.6433,
29.3925


■ 47.6713, 65.1423,
38.1647

 53.8424, 68.0938,
48.8380

 61.0158, 71.5187,
61.5152

 69.2339, 75.4367,
76.2914

 78.5365, 79.8665,
93.2557

 87.0346, 83.9691,
106.2282

Harmonies

Analogous

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



45.3561, 57.6212, 5.5639



32.0492, 57.6212, 13.3037



25.7519, 57.6212, 39.1942

Triad

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



32.0492, 57.6212, 13.3037



45.7714, 57.6212, 236.3451



99.8463, 57.6212, 38.2199

Complementary

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



32.0492, 57.6212, 13.3037



39.8276, 21.0866, 75.3728

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.



100.0341, 57.6212, 94.2156



32.0492, 57.6212, 13.3037



65.3977, 57.6212, 235.4740

Square

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



32.0492, 57.6212, 13.3037



32.2902, 57.6212, 175.4667



86.2765, 57.6212, 173.5202



85.8121, 57.6212, 12.9568

Rectangle

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



32.0492, 57.6212, 13.3037



25.1169, 57.6212, 73.4126



86.2765, 57.6212, 173.5202



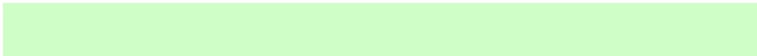
101.6248, 57.6212, 53.1549

Sweetspot

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



32.0506, 57.6236, 13.3050



71.9090, 88.9660, 67.3541



53.2747, 57.8696, 12.2338



14.8785, 18.7973, 13.5163



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.



32.0506, 57.6236, 13.3050



37.8278, 72.5651, 12.9610



32.4699, 57.5742, 25.3229



14.3922, 16.1938, 15.2716



16.4756, 32.2750, 5.3613



1.2809, 2.4177, 0.3992

Inverse Universe

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



39.8276, 21.0866, 75.3728



47.9579, 23.1702, 96.5524



40.8109, 22.3620, 40.6959



14.7686, 14.4984, 18.1644



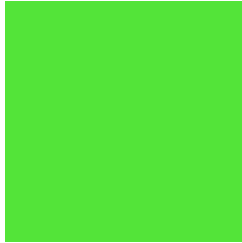
20.9167, 9.8488, 43.1818



1.6042, 0.7580, 3.1937

Previews

White Background



This preview shows how the XYZ color 32.0492, 57.6212, 13.3037 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 32.0492, 57.6212, 13.3037 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 32.0492, 57.6212, 13.3037

Background



This preview shows how black text looks on a background with the XYZ color 32.0492, 57.6212, 13.3037.

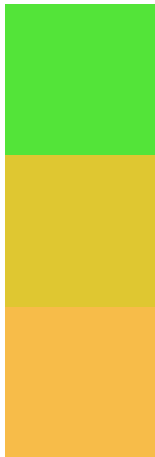


This preview shows how white text looks on a background with the XYZ color 32.0492, 57.6212,

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

32.0492, 57.6212, 13.3037

Protanopia

51.4092, 56.7566, 11.1513

Deuteranopia

57.5436, 56.2216, 14.1223



Tritanopia

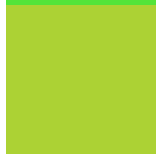
46.1032, 57.4392, 83.5199

Trichromacy



Original Color

32.0492, 57.6212, 13.3037



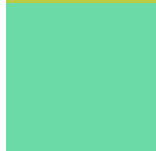
Protanomaly

40.6797, 55.1118, 11.7424



Deuteranomaly

42.8626, 53.6819, 13.4127



Tritanomaly

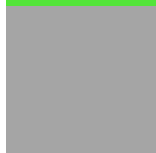
38.2308, 56.1210, 45.3767

Monochromacy



Original Color

32.0492, 57.6212, 13.3037



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.7408, 42.6237, 26.2929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0492, 57.6212, 13.3037 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(83, 228, 57)` looks like.

```
.text, #text, p{  
    color:rgb(83, 228, 57)  
}
```

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(83, 228, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 228, 57) }
```

Border

The CSS property to change the border of an element to XYZ 32.0492, 57.6212, 13.3037 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(83, 228, 57) }
```


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

```
.border{ border-color:rgb(83, 228, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 228, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 228, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 228, 57);  
box-shadow:4px 4px 4px 4px rgb(83, 228,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0492, 57.6212, 13.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 228, 57) }
```

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

```
.background{ background-color: rgb(83, 228,  
57) }
```

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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