

Converting Colors

XYZ(32.5210, 60.7701, 14.5019)

Have a look what the booklet for
XYZ(32.5210, 60.7701, 14.5019)
contains.

XYZ(32.5023, 60.7566, 14.5716)	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(32.5023, 60.7566,
14.5716)**

Conversions

Conversions Part 1

Format	Color
Hex	3DEB3E
RGB	61, 235, 62
RGB Percent	24%, 92%, 24%
CMY	0.7608, 0.0784, 0.7568
CMYK	0.74, 0.00, 0.74, 0.08
HSL	120°, 81%, 58%
HSV	120°, 74%, 92%
XYZ	32.5023, 60.7566, 14.5716
YIQ	163.2520, -48.1710, -90.6910

Conversions

Conversions Part 2

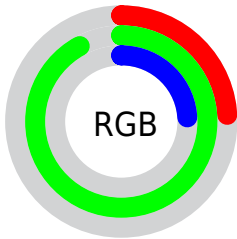
Format	Color
RYB	61, 234, 235
Decimal	4057918
CIELab	82.25, -73.84, 67.09
CIELCh	82, 99.765, 137.740
Yxy	60.7566, 0.3014, 0.5634
Android (android.graphics.Color)	4282247998 (0xFF3DEB3E)
YUV	163.2520, -49.9172, -89.6750
Hunter-Lab	77.9465, -61.9751, 43.4787

Details

The XYZ color **32.5023, 60.7566, 14.5716** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **50.7821, 26.9408, 80.3637**, and the grayscale version is **35.1784, 37.0104, 40.3043**.

A 20% lighter version of the original color is **48.9817, 77.9444, 30.2325**, and **15.9204, 31.8408, 5.3068** is the 20% darker color. If you saturate the color by 10%, you get **30.8509, 59.9659, 11.8371**, and if you desaturate by 10%, it is **35.0652, 61.9889, 18.7888**.

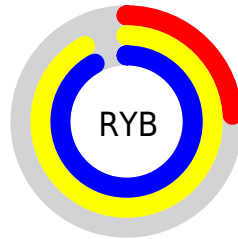
Distribution



Red (24%)

Green (92%)

Blue (24%)



Red (24%)

Yellow (92%)

Blue (92%)

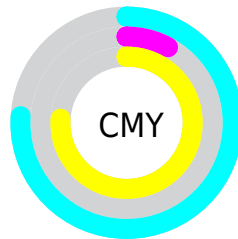


Cyan (74%)

Magenta (0%)

Yellow (74%)

Black (8%)



Cyan (76%)

Magenta (8%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5023, 60.7566, 14.5716 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 32.5023, 60.7566, 14.5716 by changing the saturation by 10% instead.

■ 32.5023, 60.7566,
14.5716

■ 32.5023, 60.7566,
14.5716

305.1059,
427.3810, 232.3091

■ 21.9029, 44.0288,
8.3760

■ 62.9576, 105.9264,
34.8315

■ 13.9017, 30.6931,
4.2453

■ 83.5442, 135.1372,
49.7328

■ 8.1336, 20.3653,
1.7608

■ 108.1905,
169.2778, 68.3732

■ 4.2331, 12.6608,
0.4019

■ 137.2619,
208.7325, 91.1711

■ 1.8348, 7.1954,
0.0000

■ 171.1238,
253.8858, 118.5452

■ 0.5385, 3.5846,
0.0000

210.1416,

■ 0.0000, 1.4440,

305.1220, 150.9138

0.0000

254.6804,
362.8256, 188.6956

■ 0.0000, 0.2488,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.5023, 60.7566,
14.5716

■ 32.5023, 60.7566,
14.5716

■ 30.8509, 59.9659,
11.8371

■ 35.0652, 61.9889,
18.7888


■ 29.9789, 59.5478,
10.3762


■ 38.6401, 63.7058,
24.6534


■ 29.7170, 59.4221,
9.9424


■ 43.3192, 65.9533,
32.3128


■ 49.1830, 68.7701,
41.8971

 56.3045, 72.1914,
53.5240

 64.7510, 76.2495,
67.3022

 74.5849, 80.9744,
83.3325

 85.8645, 86.3942,
101.7094

 88.9996, 87.8992,
106.8832

Harmonies

Analogous

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



46.1832, 60.7566, 5.5988



32.5023, 60.7566, 14.5716



26.3421, 60.7566, 44.3076

Triad

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



32.5023, 60.7566, 14.5716



49.5069, 60.7566, 258.7187



105.9939, 60.7566, 36.5484

Complementary

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



32.5023, 60.7566, 14.5716



50.7821, 26.9408, 80.3637

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.



107.5149, 60.7566, 94.2082



32.5023, 60.7566, 14.5716



71.0966, 60.7566, 251.6063

Square

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



32.5023, 60.7566, 14.5716



34.4195, 60.7566, 195.8446



93.5252, 60.7566, 180.0022



89.7719, 60.7566, 11.8757

Rectangle

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



32.5023, 60.7566, 14.5716



26.0122, 60.7566, 83.1762



93.5252, 60.7566, 180.0022



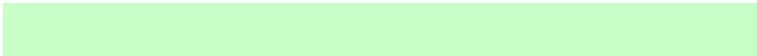
108.3632, 60.7566, 51.6280

Sweetspot

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



32.5037, 60.7591, 14.5730



69.6216, 87.7824, 67.4439



64.8143, 77.4190, 15.9422



14.3510, 18.5244, 13.5368



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.



32.5037, 60.7591, 14.5730



36.4665, 71.8581, 13.1341



36.9795, 62.5494, 38.1421



14.8719, 16.8636, 16.0083



16.5398, 33.0704, 5.5416



1.3000, 2.5973, 0.4417

Inverse Universe

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



50.7821, 26.9408, 80.3637



59.4957, 29.2286, 96.0092



41.2766, 23.1386, 30.3086



15.7109, 15.3122, 19.0288



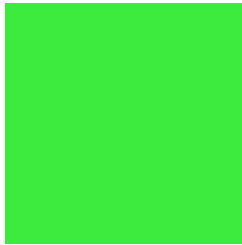
27.3063, 13.1252, 44.2755



2.1454, 1.0311, 3.4831

Previews

White Background



This preview shows how the XYZ color 32.5023, 60.7566, 14.5716 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 32.5023, 60.7566, 14.5716 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 32.5023, 60.7566, 14.5716

Background



This preview shows how black text looks on a background with the XYZ color 32.5023, 60.7566, 14.5716.

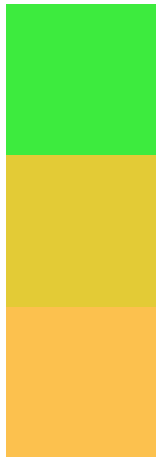


This preview shows how white text looks on a background with the XYZ color 32.5023, 60.7566,

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

32.5023, 60.7566, 14.5716

Protanopia

53.7003, 59.3091, 12.1075

Deuteranopia

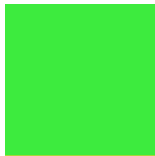
60.5900, 59.3854, 15.4768



Tritanopia

47.1731, 60.1570, 89.2459

Trichromacy



Original Color

32.5023, 60.7566, 14.5716



Protanomaly

40.9753, 57.1118, 12.7349



Deuteranomaly

43.2540, 55.6469, 14.5921



Tritanomaly

38.9822, 59.1947, 48.9063

Monochromacy



Original Color

32.5023, 60.7566, 14.5716



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.5677, 42.3372, 26.2995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5023, 60.7566, 14.5716 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(61, 235, 62)` looks like.

```
.text, #text, p{  
    color:rgb(61, 235, 62)  
}
```

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(61, 235, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 235, 62) }
```

Border

The CSS property to change the border of an element to XYZ 32.5023, 60.7566, 14.5716 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(61, 235, 62) }
```


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

```
.border{ border-color:rgb(61, 235, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 235, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 235, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 235, 62);  
box-shadow:4px 4px 4px 4px rgb(61, 235,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5023, 60.7566, 14.5716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 235, 62) }
```

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

```
.background{ background-color: rgb(61, 235,  
62) }
```

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