

Converting Colors

XYZ(32.7103, 57.5109, 11.7315)

Have a look what the booklet for
XYZ(32.7103, 57.5109, 11.7315)
contains.

XYZ(32.7476, 57.6068, 11.7761)	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(32.7476, 57.6068,
11.7761)**

Conversions

Conversions Part 1

Format	Color
Hex	60E32C
RGB	96, 227, 44
RGB Percent	38%, 89%, 17%
CMY	0.6235, 0.1098, 0.8274
CMYK	0.58, 0.00, 0.81, 0.11
HSL	103°, 77%, 53%
HSV	103°, 81%, 89%
XYZ	32.7476, 57.6068, 11.7761
YIQ	166.9690, -19.3330, -84.6850

Conversions

Conversions Part 2

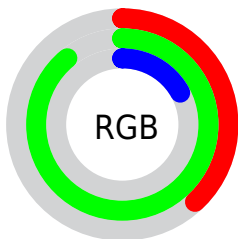
Format	Color
RYB	44, 227, 175
Decimal	6349612
CIELab	80.52, -65.51, 71.12
CIELCh	81, 96.696, 132.647
Yxy	57.6068, 0.3206, 0.5641
Android (android.graphics.Color)	4284539692 (0xFF60E32C)
YUV	166.9690, -60.6237, -62.2398
Hunter-Lab	75.8991, -55.8075, 43.9303

Details

The XYZ color **32.7476, 57.6068, 11.7761** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **32.4488, 16.4637, 74.1437**, and the grayscale version is **37.0100, 38.9374, 42.4029**.

A 20% lighter version of the original color is **52.6596, 79.9315, 26.2885**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **30.8956, 56.6904, 10.0385**, and if you desaturate by 10%, it is **35.1888, 58.8035, 14.7601**.

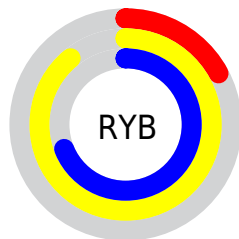
Distribution



Red (38%)

Green (89%)

Blue (17%)



Red (17%)

Yellow (89%)

Blue (69%)

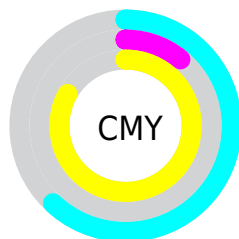


Cyan (58%)

Magenta (0%)

Yellow (81%)

Black (11%)



Cyan (62%)


Magenta (11%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7476, 57.6068, 11.7761 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 32.7476, 57.6068, 11.7761 by changing the saturation by 10% instead.


 32.7476, 57.6068,
11.7761


 32.7476, 57.6068,
11.7761


306.1960,
415.7192, 213.8424


 22.0915, 41.4926,
6.4707


 63.3386, 101.3500,
29.7449


 14.0411, 28.7042,
3.0600


 84.0042, 129.7479,
43.2455


 8.2312, 18.8572,
1.1253


 108.7369,
163.0091, 60.3148

 4.2963, 11.5671,
0.0000

 137.9022,
201.5181, 81.3715

 1.8711, 6.4497,
0.0000

 171.8654,
245.6592, 106.8340

 0.5599, 3.1204,
0.0000

 210.9919,

 0.0000, 1.1949,

295.8168, 137.1210

0.0000

255.6470,
352.3753, 172.6509

■ 0.0000, 0.0575,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.7476, 57.6068,
11.7761

■ 32.7476, 57.6068,
11.7761

■ 30.8956, 56.6904,
10.0385

■ 35.1888, 58.8035,
14.7601

■ 29.6169, 56.0472,
9.2572

■ 38.2685, 60.2969,
19.1631

■ 42.0346, 62.1101,
25.1344

■ 46.5288, 64.2619,
32.8032

■ 51.7894, 66.7694,
42.2856

■ 57.8515, 69.6485,
53.6873

■ 64.7484, 72.9141,
67.1060

■ 72.5110, 76.5802,
82.6325

■ 81.1689, 80.6603,
100.3523

Harmonies

Analogous

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



46.8128, 57.6068, 5.0934



32.7476, 57.6068, 11.7761



25.7994, 57.6068, 35.4380

Triad

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



32.7476, 57.6068, 11.7761



44.1377, 57.6068, 235.6685



101.0922, 57.6068, 41.7012

Complementary

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



32.7476, 57.6068, 11.7761



32.4488, 16.4637, 74.1437

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.



99.8760, 57.6068, 101.3135



32.7476, 57.6068, 11.7761



63.5450, 57.6068, 241.3291

Square

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



32.7476, 57.6068, 11.7761



31.1991, 57.6068, 169.7858



84.9050, 57.6068, 182.4171



87.9095, 57.6068, 13.9826

Rectangle

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



32.7476, 57.6068, 11.7761



24.7855, 57.6068, 67.9103



84.9050, 57.6068, 182.4171



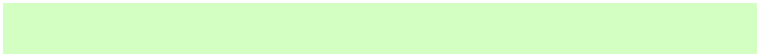
102.4308, 57.6068, 57.8087

Sweetspot

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



32.7489, 57.6092, 11.7774



72.3929, 89.2827, 64.3390



46.9073, 46.0588, 8.8017



14.8922, 18.8238, 12.6389



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.



32.7489, 57.6092, 11.7774



38.9377, 73.1533, 12.2875



29.9799, 56.0644, 16.9491



14.5719, 16.2864, 15.2800



17.3710, 32.7365, 5.4032



1.3726, 2.4650, 0.4034

Inverse Universe

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



32.4488, 16.4637, 74.1437



38.0742, 17.6661, 96.0109



41.9195, 21.8691, 50.9594



14.5751, 14.3987, 18.1554



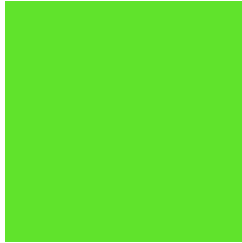
16.9561, 7.8071, 42.9964



1.3430, 0.6233, 3.1815

Previews

White Background



This preview shows how the XYZ color 32.7476, 57.6068, 11.7761 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 32.7476, 57.6068, 11.7761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

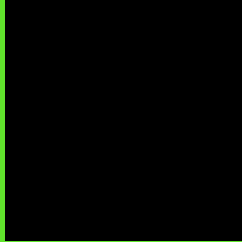
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7476, 57.6068, 11.7761

Background



This preview shows how black text looks on a background with the XYZ color 32.7476, 57.6068, 11.7761.



This preview shows how white text looks on a background with the XYZ color 32.7476, 57.6068, 11.7761.

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

32.7476, 57.6068, 11.7761

Protanopia

51.1888, 56.6684, 9.9904

Deuteranopia

57.5918, 56.2818, 12.5307



Tritanopia

46.5038, 56.9358, 81.9375

Trichromacy



Original Color

32.7476, 57.6068, 11.7761



Protanomaly

41.3149, 55.1012, 10.4656



Deuteranomaly

43.8267, 53.8640, 11.8283



Tritanomaly

38.7171, 56.0505, 42.4964

Monochromacy



Original Color

32.7476, 57.6068, 11.7761



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.6950, 43.4631, 25.0784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7476, 57.6068, 11.7761 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(96, 227, 44)` looks like.

```
.text, #text, p{  
    color:rgb(96, 227, 44)  
}
```

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(96, 227, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 227, 44) }
```

Border

The CSS property to change the border of an element to XYZ 32.7476, 57.6068, 11.7761 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(96, 227, 44) }
```


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

```
.border{ border-color:rgb(96, 227, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 227, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 227, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 227, 44);  
box-shadow:4px 4px 4px 4px rgb(96, 227,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7476, 57.6068, 11.7761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 227, 44) }
```

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

```
.background{ background-color: rgb(96, 227,  
44) }
```

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