

Converting Colors

XYZ(32.4257, 63.9499, 11.7262)

Have a look what the booklet for
XYZ(32.4257, 63.9499, 11.7262)
contains.

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Color

**XYZ(32.3384, 63.7823,
11.7054)**

Conversions

Conversions Part 1

Format	Color
Hex	18F21C
RGB	24, 242, 28
RGB Percent	9%, 95%, 11%
CMY	0.9059, 0.0510, 0.8901
CMYK	0.90, 0.00, 0.88, 0.05
HSL	121°, 89%, 52%
HSV	121°, 90%, 95%
XYZ	32.3384, 63.7823, 11.7054
YIQ	152.4220, -61.2340, -112.7700

Conversions

Conversions Part 2

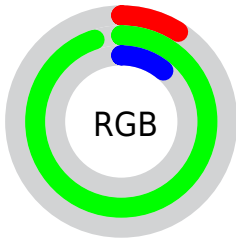
Format	Color
R_{YB}	24, 238, 242
Decimal	1634844
CIE _{Lab}	83.85, -81.34, 77.06
CIE _{LCh}	84, 112.048, 136.548
Yxy	63.7823, 0.2999, 0.5915
Android (android.graphics.Color)	4279824924 (0xFF18F21C)
YUV	152.4220, -61.3400, -112.6261
Hunter-Lab	79.8638, -67.4836, 47.2147

Details

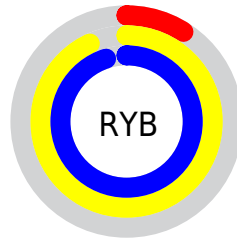
The XYZ color **32.3384, 63.7823, 11.7054** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **52.3769, 25.7036, 83.0802**, and the grayscale version is **30.3057, 31.8840, 34.7217**.

A 20% lighter version of the original color is **45.7103, 76.3949, 23.8918**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **31.7779, 63.5166, 10.7131**, and if you desaturate by 10%, it is **33.5965, 64.3860, 13.8788**.

Distribution



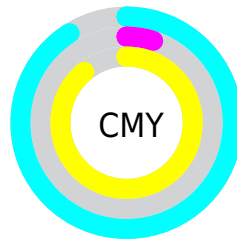
- Red (9%)
- Green (95%)
- Blue (11%)



- Red (9%)
- Yellow (93%)
- Blue (95%)



- Cyan (90%)
- Magenta (0%)
- Yellow (88%)
- Black (5%)





- Cyan (91%)
- Magenta (5%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3384, 63.7823, 11.7054 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 32.3384, 63.7823, 11.7054 by changing the saturation by 10% instead.


 32.3384, 63.7823,
11.7054


 32.3384, 63.7823,
11.7054


304.3759,
438.4031, 213.3533

 21.7769, 46.4744,
6.4233


 62.7028, 110.2974,
29.6137

 13.8087, 32.6203,
3.0312


 83.2365, 140.2733,
43.0771


 8.0686, 21.8357,
1.1106


 107.8249,
175.2406, 60.1045

 4.1910, 13.7363,
0.0000

 136.8334,
215.5838, 81.1147

 1.8108, 7.9375,
0.0000

 170.6274,
261.6873, 106.5262

 0.5241, 4.0550,
0.0000

 209.5723,

 0.0000, 1.7044,

313.9354, 136.7574

0.0000

254.0333,
372.7125, 172.2269

■ 0.0000, 0.4265,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.3384, 63.7823,
11.7054

■ 32.3384, 63.7823,
11.7054


■ 31.7779, 63.5166,
10.7131


■ 33.5965, 64.3860,
13.8788


■ 35.7439, 65.4152,
17.4937


■ 38.9062, 66.9326,
22.7432


■ 43.1880, 68.9883,
29.7899

 48.6806, 71.6267,
38.7764

 55.4661, 74.8871,
49.8314

 63.6195, 78.8057,
63.0723

 73.2099, 83.4158,
78.6078

 84.3018, 88.7485,
96.5393

Harmonies

Analogous

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



48.1133, 63.7823, 3.6951



32.3384, 63.7823, 11.7054



25.2502, 63.7823, 42.4380

Triad

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



32.3384, 63.7823, 11.7054



50.2621, 63.7823, 302.4152



118.2776, 63.7823, 37.5446

Complementary

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



32.3384, 63.7823, 11.7054



52.3769, 25.7036, 83.0802

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.



119.3141, 63.7823, 106.0107



32.3384, 63.7823, 11.7054



75.1327, 63.7823, 297.3883

Square

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



32.3384, 63.7823, 11.7054



33.5425, 63.7823, 221.7187



101.8996, 63.7823, 210.6781



99.3644, 63.7823, 10.1952

Rectangle

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



32.3384, 63.7823, 11.7054



24.7019, 63.7823, 86.0860



101.8996, 63.7823, 210.6781



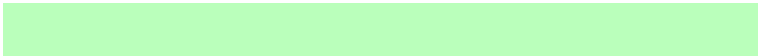
120.8760, 63.7823, 55.1051

Sweetspot

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



32.3399, 63.7849, 11.7068



65.0607, 85.5837, 60.3392



67.3029, 81.8142, 13.1086



13.2955, 18.0156, 11.8905



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.



32.3399, 63.7849, 11.7068



35.7857, 71.5303, 12.0555



36.6193, 65.4967, 34.2420



15.5777, 17.6611, 16.7992



17.0760, 34.1224, 5.7834



1.4247, 2.8403, 0.5028

Inverse Universe

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



52.3769, 25.7036, 83.0802



58.5427, 28.1811, 93.0447



40.9330, 21.1260, 22.8178



16.4410, 16.0261, 19.8783



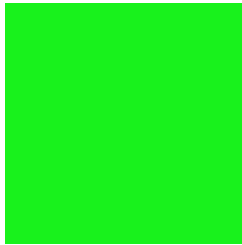
27.9318, 13.4452, 44.4192



2.3277, 1.1201, 3.7163

Previews

White Background



This preview shows how the XYZ color 32.3384, 63.7823, 11.7054 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 32.3384, 63.7823, 11.7054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

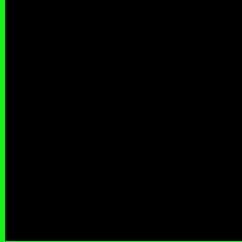
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

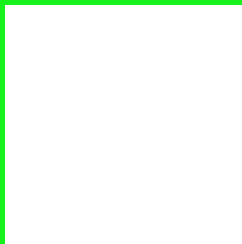
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3384, 63.7823, 11.7054

Background



This preview shows how black text looks on a background with the XYZ color 32.3384, 63.7823, 11.7054.



This preview shows how white text looks on a background with the XYZ color 32.3384, 63.7823,

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

32.3384, 63.7823, 11.7054

Protanopia

55.9964, 61.9810, 9.4277

Deuteranopia

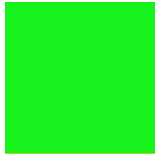
63.0094, 61.9138, 18.0808



Tritanopia

48.6964, 63.2051, 94.4272

Trichromacy



Original Color

32.3384, 63.7823, 11.7054



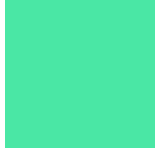
Protanomaly

39.6154, 58.4015, 9.8008



Deuteranomaly

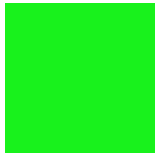
41.6020, 56.6517, 14.0524



Tritanomaly

38.1915, 61.3243, 45.4212

Monochromacy



Original Color

32.3384, 63.7823, 11.7054



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

25.8285, 38.7627, 20.0306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3384, 63.7823, 11.7054 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(24, 242, 28)` looks like.

```
.text, #text, p{  
    color:rgb(24, 242, 28)  
}
```

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(24, 242, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 242, 28) }
```

Border

The CSS property to change the border of an element to XYZ 32.3384, 63.7823, 11.7054 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(24, 242, 28) }
```


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

```
.border{ border-color:rgb(24, 242, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 242, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 242, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 242, 28);  
box-shadow:4px 4px 4px 4px rgb(24, 242,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3384, 63.7823, 11.7054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 242, 28) }
```

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

```
.background{ background-color: rgb(24, 242,  
28) }
```

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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