

Converting Colors

XYZ(32.6575, 64.3450, 13.8730)

Have a look what the booklet for
XYZ(32.6575, 64.3450, 13.8730)
contains.

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Color

**XYZ(32.6481, 64.3402,
13.8301)**

Conversions

Conversions Part 1

Format	Color
Hex	00F333
RGB	0, 243, 51
RGB Percent	0%, 95%, 20%
CMY	1.0000, 0.0470, 0.8000
CMYK	1.00, 0.00, 0.79, 0.05
HSL	133°, 100%, 48%
HSV	133°, 100%, 95%
XYZ	32.6481, 64.3402, 13.8301
YIQ	148.4550, -83.1960, -111.2280

Conversions

Conversions Part 2

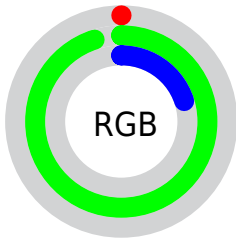
Format	Color
RYB	0, 201, 243
Decimal	62259
CIELab	84.14, -81.48, 72.12
CIELCh	84, 108.817, 138.486
Yxy	64.3402, 0.2946, 0.5806
Android (android.graphics.Color)	4278252339 (0xFF00F333)
YUV	148.4550, -48.0453, -130.1950
Hunter-Lab	80.2123, -67.7184, 45.9259

Details

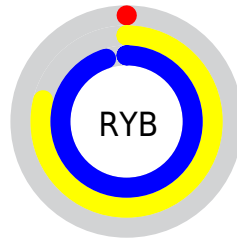
The XYZ color **32.6481, 64.3402, 13.8301** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **46.4776, 22.8610, 51.8297**, and the grayscale version is **28.5597, 30.0471, 32.7213**.

A 20% lighter version of the original color is **45.7549, 76.3347, 27.6518**, and **17.3490, 34.6979, 5.7830** is the 20% darker color. If you saturate the color by 10%, you get **32.6496, 64.3429, 13.8316**, and if you desaturate by 10%, it is **33.5478, 64.7465, 16.5580**.

Distribution



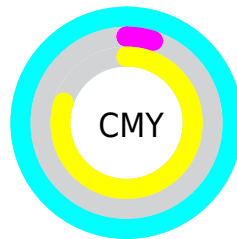
- Red (0%)
- Green (95%)
- Blue (20%)



- Red (0%)
- Yellow (79%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6481, 64.3402, 13.8301 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 32.6481, 64.3402, 13.8301 by changing the saturation by 10% instead.


 32.6481, 64.3402,
13.8301


 32.6481, 64.3402,
13.8301


305.7542,
440.4171, 227.5629


 22.0149, 46.9263,
7.8652


 63.1841, 111.1007,
33.5000

 13.9845, 32.9774,
3.9223


 83.8177, 141.2161,
48.0421


 8.1915, 22.1091,
1.5828


 108.5154,
176.3341, 66.2804

 4.2706, 13.9371,
0.2785

 137.6427,
216.8391, 88.6334

 1.8563, 8.0769,
0.0000

 171.5648,
263.1156, 115.5195

 0.5513, 4.1442,
0.0000

210.6472,

 0.0000, 1.7546,

315.5478, 147.3575

0.0000

255.2552,
374.5202, 184.5657

■ 0.0000, 0.4586,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.6481, 64.3402,
13.8301

■ 32.6481, 64.3402,
13.8301


■ 32.6496, 64.3429,
13.8316


■ 33.5478, 64.7465,
16.5580


■ 35.1197, 65.4750,
20.3281


■ 37.5313, 66.6121,
25.2367


■ 40.8868, 68.2097,
31.3663

 45.2746, 70.3119,
38.7917

 50.7727, 72.9574,
47.5817

 57.4516, 76.1812,
57.8002

 65.3755, 80.0153,
69.5069

 74.6044, 84.4892,
82.7582

Harmonies

Analogous

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



47.6300, 64.3402, 4.5607



32.6481, 64.3402, 13.8301



26.1076, 64.3402, 46.8027

Triad

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



32.6481, 64.3402, 13.8301



52.3783, 64.3402, 296.4966



116.3395, 64.3402, 35.8914

Complementary

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



32.6481, 64.3402, 13.8301



46.4776, 22.8610, 51.8297

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.



118.5887, 64.3402, 99.9607



32.6481, 64.3402, 13.8301



77.0211, 64.3402, 285.7223

Square

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



32.6481, 64.3402, 13.8301



35.3358, 64.3402, 223.4048



102.7332, 64.3402, 199.6269



97.2152, 64.3402, 10.3169

Rectangle

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



32.6481, 64.3402, 13.8301



25.8677, 64.3402, 91.4753



102.7332, 64.3402, 199.6269



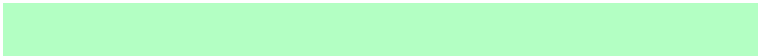
119.2499, 64.3402, 52.2713

Sweetspot

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



32.6496, 64.3429, 13.8316



64.0354, 84.9644, 64.3928



54.4037, 75.6266, 11.7300



12.9976, 17.8436, 12.7098



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.



32.6496, 64.3429, 13.8316



36.4148, 71.7819, 15.3680



39.3173, 67.0100, 48.9433



16.4245, 18.5289, 18.2538



17.9580, 35.3280, 7.7984



1.6143, 3.1194, 0.8749

Inverse Universe

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



46.4776, 22.8610, 51.8297



51.8384, 25.4994, 57.7405



38.1630, 19.5352, 8.0454



17.0559, 16.7052, 20.0410



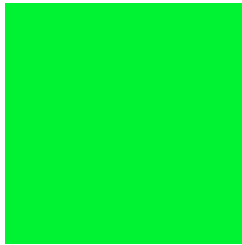
25.5586, 12.5669, 28.7135



2.2828, 1.1191, 2.7156

Previews

White Background



This preview shows how the XYZ color 32.6481, 64.3402, 13.8301 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 32.6481, 64.3402, 13.8301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

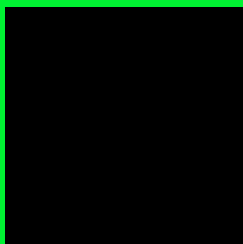
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.6481, 64.3402, 13.8301

Background



This preview shows how black text looks on a background with the XYZ color 32.6481, 64.3402, 13.8301.

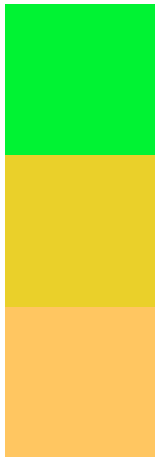


This preview shows how white text looks on a background with the XYZ color 32.6481, 64.3402,

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

32.6481, 64.3402, 13.8301

Protanopia

56.9055, 62.7713, 11.3073

Deuteranopia

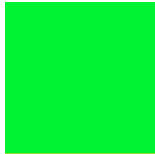
63.5918, 62.5112, 20.0235



Tritanopia

49.0446, 63.7520, 96.1066

Trichromacy



Original Color

32.6481, 64.3402, 13.8301



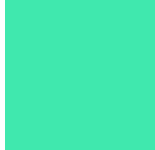
Protanomaly

38.7245, 58.2919, 11.6931



Deuteranomaly

40.3948, 56.3537, 16.3377



Tritanomaly

38.6109, 61.8592, 49.9494

Monochromacy



Original Color

32.6481, 64.3402, 13.8301



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.5302, 37.4389, 21.5563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6481, 64.3402, 13.8301 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(0, 243, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 243, 51)  
}
```

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(0, 243, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 243, 51) }
```

Border

The CSS property to change the border of an element to XYZ 32.6481, 64.3402, 13.8301 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(0, 243, 51) }
```


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

```
.border{ border-color:rgb(0, 243, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 243, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 243, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 243, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 243, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.6481, 64.3402, 13.8301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 243, 51) }
```

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

```
.background{ background-color: rgb(0, 243,  
51) }
```

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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