

Converting Colors

XYZ(32.3805, 64.6855, 10.7789)

Have a look what the booklet for
XYZ(32.3805, 64.6855, 10.7789)
contains.

XYZ(32.4008, 64.7272, 10.7859)	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(32.4008, 64.7272,
10.7859)**

Conversions

Conversions Part 1

Format	Color
Hex	04F400
RGB	4, 244, 0
RGB Percent	2%, 96%, 0%
CMY	0.9843, 0.0431, 0.9999
CMYK	0.98, 0.00, 1.00, 0.04
HSL	119°, 100%, 48%
HSV	119°, 100%, 96%
XYZ	32.4008, 64.7272, 10.7859
YIQ	144.4240, -64.7160, -126.7640

Conversions

Conversions Part 2

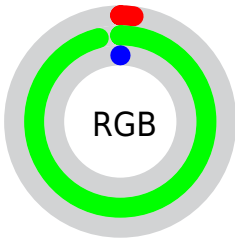
Format	Color
RYB	0, 244, 240
Decimal	324608
CIELab	84.34, -83.23, 80.47
CIELCh	84, 115.767, 135.968
Yxy	64.7272, 0.3002, 0.5998
Android (android.graphics.Color)	4278514688 (0xFF04F400)
YUV	144.4240, -71.2010, -123.1518
Hunter-Lab	80.4532, -68.9061, 48.3686

Details

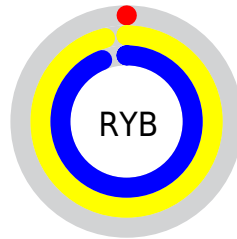
The XYZ color **32.4008, 64.7272, 10.7859** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **52.2775, 25.0642, 87.6739**, and the grayscale version is **26.9814, 28.3866, 30.9130**.

A 20% lighter version of the original color is **45.0767, 76.1097, 21.9877**, and **17.5589, 35.1178, 5.8530** is the 20% darker color. If you saturate the color by 10%, you get **32.4017, 64.7296, 10.7863**, and if you desaturate by 10%, it is **33.0005, 65.0187, 11.6987**.

Distribution



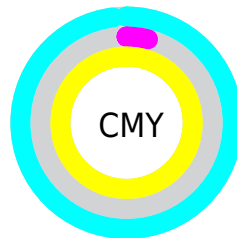
- Red (2%)
- Green (96%)
- Blue (0%)



- Red (0%)
- Yellow (96%)
- Blue (94%)



- Cyan (98%)
- Magenta (0%)
- Yellow (100%)
- Black (4%)




- Cyan (98%)
- Magenta (4%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4008, 64.7272, 10.7859 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 32.4008, 64.7272, 10.7859 by changing the saturation by 10% instead.


 32.4008, 64.7272,
10.7859


 32.4008, 64.7272,
10.7859


304.6539,
441.8110, 206.8772


 21.8248, 47.2399,
5.8107


 62.7999, 111.6576,
27.8941

 13.8441, 33.2254,
2.6634


 83.3537, 141.8694,
40.8643


 8.0933, 22.2991,
0.9249


 107.9641,
177.0916, 57.3365

 4.2070, 14.0769,
0.0000

 136.9966,
217.7085, 77.7293

 1.8199, 8.1741,
0.0000

 170.8165,
264.1045, 102.4612

 0.5296, 4.2066,
0.0000

 209.7891,

 0.0000, 1.7898,

316.6640, 131.9508

0.0000

254.2798,
375.7713, 166.6166

■ 0.0000, 0.4808,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.4008, 64.7272,
10.7859

■ 32.4008, 64.7272,
10.7859

■ 32.4017, 64.7296,
10.7863

■ 33.0005, 65.0187,
11.6987

■ 34.3197, 65.6547,
13.7514

■ 36.5441, 66.7253,
17.2977

■ 39.7970, 68.2893,
22.5493

■ 44.1825, 70.3967,
29.6838

■ 49.7917, 73.0912,
38.8568

■ 56.7068, 76.4120,
50.2076

■ 65.0026, 80.3950,
63.8632

■ 74.7485, 85.0734,
79.9410

Harmonies

Analogous

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



48.9072, 64.7272, 3.1976



32.4008, 64.7272, 10.7859



24.9627, 64.7272, 41.4378

Triad

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



32.4008, 64.7272, 10.7859



50.3039, 64.7272, 316.1241



122.2863, 64.7272, 38.2809

Complementary

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



32.4008, 64.7272, 10.7859



52.2775, 25.0642, 87.6739

Split Complementary

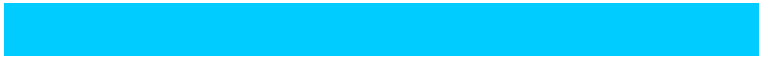
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



122.9705, 64.7272, 110.6474



32.4008, 64.7272, 10.7859



76.1367, 64.7272, 312.7710

Square

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



32.4008, 64.7272, 10.7859



33.1766, 64.7272, 228.9769



104.3111, 64.7272, 221.6418



102.6419, 64.7272, 9.8474

Rectangle

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



32.4008, 64.7272, 10.7859



24.3074, 64.7272, 86.2342



104.3111, 64.7272, 221.6418



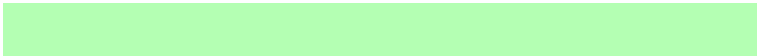
124.8947, 64.7272, 56.7665

Sweetspot

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



32.4023, 64.7299, 10.7874



62.6091, 84.4271, 55.3794



68.4518, 81.5177, 12.1277



12.6718, 17.7208, 10.6556



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.



32.4023, 64.7299, 10.7874



35.8119, 71.5468, 11.9224



35.6197, 66.0111, 27.9892



16.3071, 18.4849, 17.5060



17.6284, 35.2006, 5.8653



1.5580, 3.0982, 0.5159

Inverse Universe

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



52.2775, 25.0642, 87.6739



57.7803, 27.7017, 96.9093



41.0816, 20.7432, 21.6064



17.1854, 16.7538, 20.8706



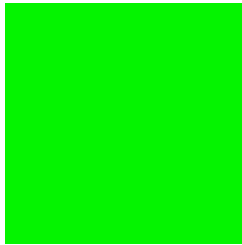
28.4363, 13.6338, 47.6708



2.5077, 1.2026, 4.1902

Previews

White Background



This preview shows how the XYZ color 32.4008, 64.7272, 10.7859 looks on a white background.

Color Contrast Check

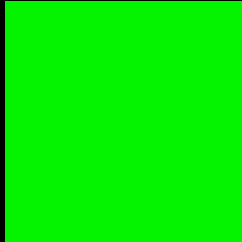
Large Text (above 18pt) WCAG AA × Fail

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 32.4008, 64.7272, 10.7859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

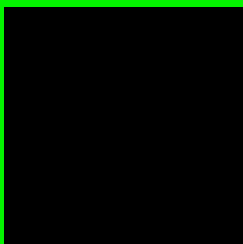
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

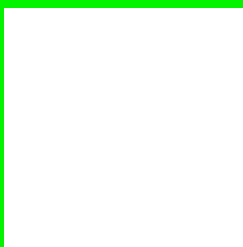
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4008, 64.7272, 10.7859

Background



This preview shows how black text looks on a background with the XYZ color 32.4008, 64.7272, 10.7859.



This preview shows how white text looks on a background with the XYZ color 32.4008, 64.7272,

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

32.4008, 64.7272, 10.7859

Protanopia

57.0614, 63.2631, 9.2035

Deuteranopia

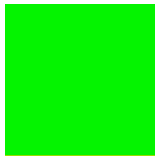
63.8211, 62.9699, 20.0999



Tritanopia

49.4300, 64.3555, 96.2028

Trichromacy



Original Color

32.4008, 64.7272, 10.7859



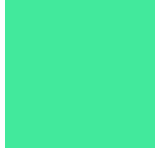
Protanomaly

38.8838, 58.8219, 9.3044



Deuteranomaly

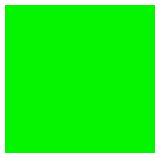
40.4798, 56.8412, 13.3954



Tritanomaly

37.3864, 61.8364, 41.4176

Monochromacy



Original Color

32.4008, 64.7272, 10.7859



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

22.7672, 35.7424, 15.8242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4008, 64.7272, 10.7859 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(4, 244, 0)` looks like.

```
.text, #text, p{  
    color:rgb(4, 244, 0)  
}
```

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(4, 244, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 244, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.4008, 64.7272, 10.7859 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(4, 244, 0) }
```


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

```
.border{ border-color:rgb(4, 244, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 244, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 244, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 244, 0); box-shadow:4px  
4px 4px 4px rgb(4, 244, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4008, 64.7272, 10.7859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 244, 0) }
```

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

```
.background{ background-color: rgb(4, 244,  
0) }
```

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