

Converting Colors

XYZ(32.2043, 62.7275, 10.4103)

Have a look what the booklet for
XYZ(32.2043, 62.7275, 10.4103)
contains.

XYZ(32.2868, 62.9010, 10.4394)	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(32.2868, 62.9010,
10.4394)**

Conversions

Conversions Part 1

Format	Color
Hex	2EF000
RGB	46, 240, 0
RGB Percent	18%, 94%, 0%
CMY	0.8196, 0.0588, 0.9999
CMYK	0.81, 0.00, 1.00, 0.06
HSL	109°, 100%, 47%
HSV	109°, 100%, 94%
XYZ	32.2868, 62.9010, 10.4394
YIQ	154.6340, -38.5840, -115.7680

Conversions

Conversions Part 2

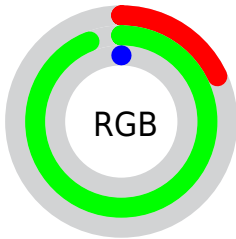
Format	Color
RYB	0, 240, 194
Decimal	3076096
CIELab	83.39, -79.53, 79.82
CIELCh	83, 112.684, 134.896
Yxy	62.9010, 0.3057, 0.5955
Android (android.graphics.Color)	4281266176 (0xFF2EF000)
YUV	154.6340, -76.2346, -95.2720
Hunter-Lab	79.3102, -66.1262, 47.7129

Details

The XYZ color **32.2868, 62.9010, 10.4394** 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 **37.9870, 17.7666, 83.8686**, and the grayscale version is **31.3353, 32.9672, 35.9013**.

A 20% lighter version of the original color is **46.4653, 76.8305, 21.8320**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **32.2869, 62.9029, 10.4398**, and if you desaturate by 10%, it is **33.5333, 63.5264, 11.3604**.

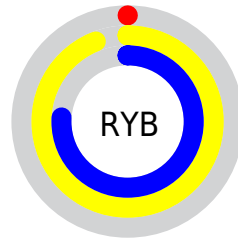
Distribution



Red (18%)

Green (94%)

Blue (0%)



Red (0%)

Yellow (94%)

Blue (76%)

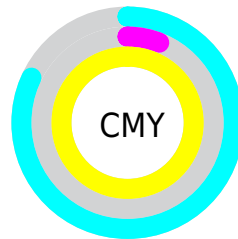


Cyan (81%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (82%)


Magenta (6%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2868, 62.9010, 10.4394 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 32.2868, 62.9010, 10.4394 by changing the saturation by 10% instead.


 32.2868, 62.9010,
10.4394


 32.2868, 62.9010,
10.4394


304.1458,
435.2101, 204.3775


 21.7373, 45.7611,
5.5819


 62.6226, 109.0267,
27.2394


 13.7795, 32.0574,
2.5279


 83.1396, 138.7813,
40.0189


 8.0481, 21.4053,
0.8549


 107.7097,
173.5095, 56.2762

 4.1778, 13.4206,
0.0000

 136.6984,
213.5959, 76.4297

 1.8032, 7.7188,
0.0000

 170.4710,
259.4247, 100.8981

 0.5196, 3.9155,
0.0000

 209.3929,

 0.0000, 1.6264,

311.3805, 130.0998

0.0000

253.8293,
369.8475, 164.4534

■ 0.0000, 0.3753,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.2868, 62.9010,
10.4394

■ 32.2868, 62.9010,
10.4394

■ 32.2869, 62.9029,
10.4398

■ 33.5333, 63.5264,
11.3604

■ 35.4243, 64.4586,
13.3747

■ 38.0655, 65.7466,
16.8210

■ 41.5306, 67.4242,
21.9001

■ 45.8841, 69.5207,
28.7811

■ 51.1837, 72.0628,
37.6119

■ 57.4820, 75.0746,
48.5249

■ 64.8278, 78.5788,
61.6411

■ 73.2666, 82.5964,
77.0722

Harmonies

Analogous

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



48.4597, 62.9010, 3.3173



32.2868, 62.9010, 10.4394



24.8262, 62.9010, 38.9704

Triad

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



32.2868, 62.9010, 10.4394



48.3159, 62.9010, 299.2678



117.9473, 62.9010, 39.2970

Complementary

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



32.2868, 62.9010, 10.4394



37.9870, 17.7666, 83.8686

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.



117.8774, 62.9010, 110.0716



32.2868, 62.9010, 10.4394



72.7513, 62.9010, 299.6077

Square

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



32.2868, 62.9010, 10.4394



32.2064, 62.9010, 214.9602



99.6480, 62.9010, 215.7056



99.8185, 62.9010, 10.5388

Rectangle

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



32.2868, 62.9010, 10.4394



24.0237, 62.9010, 80.6786



99.6480, 62.9010, 215.7056



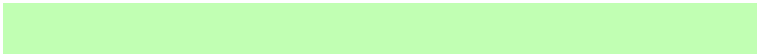
120.1843, 62.9010, 57.5926

Sweetspot

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



32.2883, 62.9036, 10.4408



65.8777, 86.1121, 55.5324



54.7887, 56.2298, 7.9667



13.4166, 18.1047, 10.6905



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.



32.2883, 62.9036, 10.4408



37.0192, 72.1691, 11.9789



32.3323, 62.7911, 16.5509



15.8485, 17.8020, 16.7506



17.7564, 34.4753, 5.7185



1.5537, 2.9075, 0.4793

Inverse Universe

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



37.9870, 17.7666, 83.8686



43.5465, 20.3639, 96.2432



43.0061, 21.3544, 38.9073



16.1402, 15.8695, 19.9340



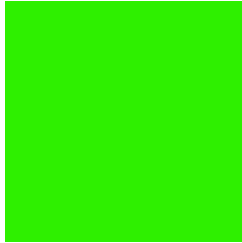
20.9007, 9.7801, 45.9140



1.8141, 0.8525, 3.8231

Previews

White Background



This preview shows how the XYZ color 32.2868, 62.9010, 10.4394 looks on a white background.

Color Contrast Check

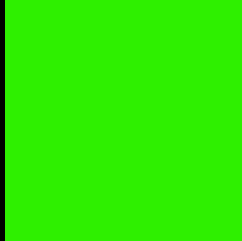
Large Text (above 18pt) WCAG AA × Fail

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 32.2868, 62.9010, 10.4394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

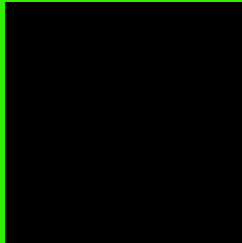
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.2868, 62.9010, 10.4394

Background



This preview shows how black text looks on a background with the XYZ color 32.2868, 62.9010, 10.4394.



This preview shows how white text looks on a background with the XYZ color 32.2868, 62.9010,

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

32.2868, 62.9010, 10.4394

Protanopia

55.3500, 61.2984, 8.9145

Deuteranopia

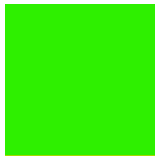
62.3912, 61.3044, 15.9417



Tritanopia

48.5715, 62.3774, 92.6991

Trichromacy



Original Color

32.2868, 62.9010, 10.4394



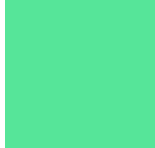
Protanomaly

40.3812, 58.0353, 9.0736



Deuteranomaly

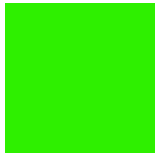
42.7096, 56.9010, 11.7496



Tritanomaly

37.6068, 60.3170, 39.7972

Monochromacy



Original Color

32.2868, 62.9010, 10.4394



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

26.8813, 39.6635, 18.0434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2868, 62.9010, 10.4394 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(46, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 240, 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(46, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 240, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.2868, 62.9010, 10.4394 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(46, 240, 0) }
```


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

```
.border{ border-color:rgb(46, 240, 0) }
```

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

Here you see how a box with a 4 pixel rgb(46, 240, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 240, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.2868, 62.9010, 10.4394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 240, 0) }
```

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

```
.background{ background-color: rgb(46, 240,  
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