

# Converting Colors

XYZ(32.3867, 62.8909, 13.2285)

Have a look what the booklet for  
XYZ(32.3867, 62.8909, 13.2285)  
contains.

<b>XYZ(32.3867, 62.8909, 13.2285)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(32.3867, 62.8909,  
13.2285)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23F030
RGB	35, 240, 48
RGB Percent	14%, 94%, 19%
CMY	0.8627, 0.0588, 0.8117
CMYK	0.85, 0.00, 0.80, 0.06
HSL	124°, 87%, 54%
HSV	124°, 85%, 94%
XYZ	32.3867, 62.8909, 13.2285
YIQ	156.8170, -60.5480, -103.1720

# Conversions

## Conversions Part 2

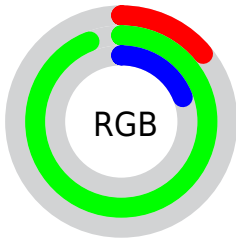
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 228, 240
Decimal	2355248
CIE <sub>Lab</sub>	83.38, -79.15, 72.30
CIE <sub>LCh</sub>	83, 107.201, 137.592
Yxy	62.8909, 0.2985, 0.5796
Android (android.graphics.Color)	4280545328 (0xFF23F030)
YUV	156.8170, -53.6468, -106.8335
Hunter-Lab	79.3038, -65.8844, 45.6226

# Details

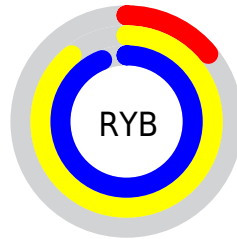
The XYZ color **32.3867, 62.8909, 13.2285** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **50.4021, 25.2738, 74.8913**, and the grayscale version is **32.2201, 33.8981, 36.9150**.

A 20% lighter version of the original color is **46.7429, 76.8567, 27.1231**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **31.4806, 62.4664, 11.3481**, and if you desaturate by 10%, it is **34.0859, 63.7009, 16.3742**.

# Distribution



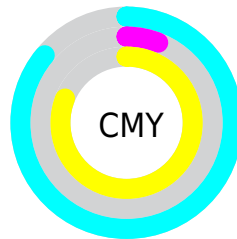
- Red (14%)
- Green (94%)
- Blue (19%)



- Red (14%)
- Yellow (89%)
- Blue (94%)



- Cyan (85%)
- Magenta (0%)
- Yellow (80%)
- Black (6%)




- Cyan (86%)
- Magenta (6%)
- Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3867, 62.8909, 13.2285 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 32.3867, 62.8909, 13.2285 by changing the saturation by 10% instead.





 32.3867, 62.8909,  
13.2285


 32.3867, 62.8909,  
13.2285


304.5911,  
435.1734, 223.6360

 21.8140, 45.7530,  
7.4535


 62.7779, 109.0121,  
32.4109


 13.8361, 32.0509,  
3.6646


 83.3272, 138.7641,  
46.6553


 8.0877, 21.4004,  
1.4432


 107.9327,  
173.4897, 64.5600

 4.2034, 13.4170,  
0.1751

 136.9598,  
213.5731, 86.5435

 1.8178, 7.7163,  
0.0000

 170.7738,  
259.3988, 113.0243

 0.5284, 3.9140,  
0.0000

209.7401,

 0.0000, 1.6256,

311.3511, 144.4209

0.0000

254.2241,  
369.8145, 181.1520

0.0000, 0.3747,  
0.0000

0.0000, 0.0000,  
0.0000

32.3867, 62.8909,  
13.2285

32.3867, 62.8909,  
13.2285

31.4806, 62.4664,  
11.3481


34.0859, 63.7009,  
16.3742


31.2492, 62.3579,  
10.8499


36.7029, 64.9514,  
20.9500


40.3449, 66.6966,  
27.1004


45.1032, 68.9807,  
34.9513

 51.0592, 71.8434,  
44.6157

 58.2864, 75.3203,  
56.1970

 66.8526, 79.4444,  
69.7907

 76.8207, 84.2460,  
85.4861

 88.2496, 89.7539,  
103.3669

# Harmonies

## Analogous

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



47.2130, 62.8909, 4.5034



32.3867, 62.8909, 13.2285



25.7871, 62.8909, 44.4071

# Triad

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



32.3867, 62.8909, 13.2285



50.6422, 62.8909, 286.3081



113.5688, 62.8909, 36.5161

# Complementary

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



32.3867, 62.8909, 13.2285



50.4021, 25.2738, 74.8913

# 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.



115.1876, 62.8909, 99.9730



32.3867, 62.8909, 13.2285



74.3904, 62.8909, 278.5720

# Square

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



32.3867, 62.8909, 13.2285



34.3315, 62.8909, 213.9553



99.4096, 62.8909, 196.8674



95.4358, 62.8909, 10.6678



# Rectangle

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



32.3867, 62.8909, 13.2285



25.4150, 62.8909, 86.8984



99.4096, 62.8909, 196.8674



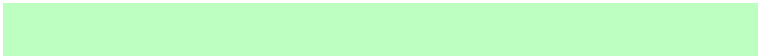
116.2048, 62.8909, 52.8632

# Sweetspot

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



32.3882, 62.8935, 13.2299



66.2872, 86.1466, 63.5321



64.0190, 79.2264, 13.5082



13.5424, 18.1282, 12.5664



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.



32.3882, 62.8935, 13.2299



35.8549, 71.5580, 12.4197



37.1802, 64.8103, 38.4643



15.6066, 17.6727, 16.9511



17.1218, 34.1407, 6.0241



1.4385, 2.8459, 0.5757



# Inverse Universe

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



50.4021, 25.2738, 74.8913



56.7931, 27.4812, 83.8316



40.3849, 21.2669, 22.1412



16.4084, 16.0131, 19.7070



27.1130, 13.1176, 40.1070

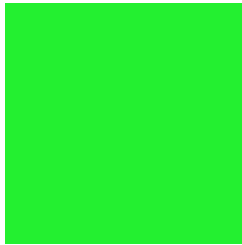


2.2686, 1.0965, 3.4050



# Previews

## White Background



This preview shows how the XYZ color 32.3867, 62.8909, 13.2285 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

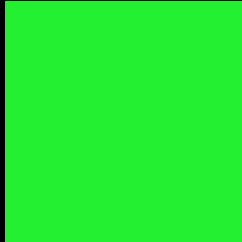
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.3867, 62.8909, 13.2285 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

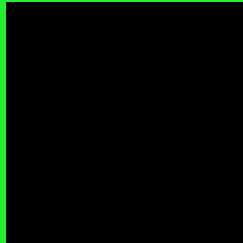
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 32.3867, 62.8909, 13.2285**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.3867, 62.8909, 13.2285.



This preview shows how white text looks on a background with the XYZ color 32.3867, 62.8909,



# 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

32.3867, 62.8909, 13.2285

### Protanopia

55.3925, 61.2780, 10.8278

### Deuteranopia

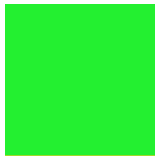
62.5029, 61.3491, 16.5299



## Tritanopia

48.3916, 62.6652, 93.5495

# Trichromacy



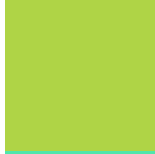
## Original Color

32.3867, 62.8909, 13.2285



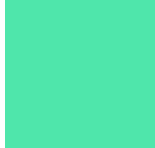
## Protanomaly

39.9865, 57.7836, 11.2363



## Deuteranomaly

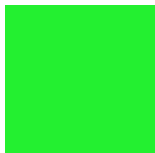
42.3282, 56.6431, 14.4966



## Tritanomaly

38.8719, 61.1962, 48.2914

# Monochromacy



## Original Color

32.3867, 62.8909, 13.2285



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

27.7913, 40.3357, 23.1504

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.3867, 62.8909, 13.2285 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(35, 240, 48)` looks like.

```
.text, #text, p{  
    color:rgb(35, 240, 48)  
}
```

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(35, 240, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 240, 48) }
```

## Border

The CSS property to change the border of an element to XYZ 32.3867, 62.8909, 13.2285 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(35, 240, 48) }
```



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

```
.border{ border-color:rgb(35, 240, 48) }
```

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

Here you see how a box with a 4 pixel rgb(35, 240, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 240, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 240, 48);  
box-shadow:4px 4px 4px 4px rgb(35, 240,  
48) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.3867, 62.8909, 13.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 240, 48) }
```

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

```
.background{ background-color: rgb(35, 240,  
48) }
```

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