

Converting Colors

XYZ(33.3453, 62.3739, 24.0325)

Have a look what the booklet for
XYZ(33.3453, 62.3739, 24.0325)
contains.

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Color

**XYZ(33.2512, 62.2284,
23.8944)**

Conversions

Conversions Part 1

Format	Color
Hex	06EE6A
RGB	6, 238, 106
RGB Percent	2%, 93%, 42%
CMY	0.9764, 0.0667, 0.5843
CMYK	0.97, 0.00, 0.55, 0.07
HSL	146°, 95%, 48%
HSV	146°, 97%, 93%
XYZ	33.2512, 62.2284, 23.8944
YIQ	153.5840, -95.9000, -90.2360

Conversions

Conversions Part 2

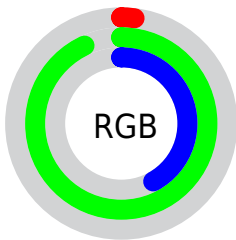
Format	Color
RYB	6, 168, 238
Decimal	454250
CIELab	83.03, -74.56, 50.11
CIELCh	83, 89.839, 146.095
Yxy	62.2284, 0.2785, 0.5213
Android (android.graphics.Color)	4278644330 (0xFF06EE6A)
YUV	153.5840, -23.4589, -129.4312
Hunter-Lab	78.8850, -62.8083, 37.2604

Details

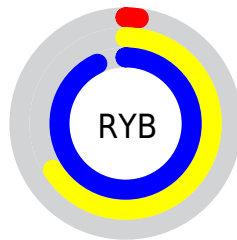
The XYZ color **33.2512, 62.2284, 23.8944** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **39.9152, 20.1439, 25.8353**, and the grayscale version is **30.6654, 32.2624, 35.1338**.

A 20% lighter version of the original color is **48.7873, 77.5028, 45.6459**, and **16.9639, 32.8996, 8.8243** is the 20% darker color. If you saturate the color by 10%, you get **33.0029, 62.1223, 22.9733**, and if you desaturate by 10%, it is **34.4685, 62.7698, 27.9243**.

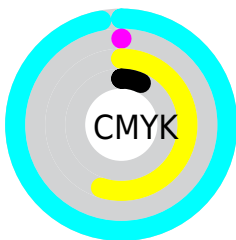
Distribution



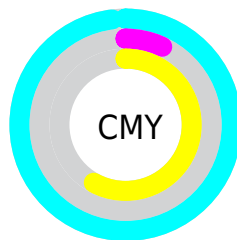
- Red (2%)
- Green (93%)
- Blue (42%)



- Red (2%)
- Yellow (66%)
- Blue (93%)



- Cyan (97%)
- Magenta (0%)
- Yellow (55%)
- Black (7%)





- Cyan (98%)
- Magenta (7%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2512, 62.2284, 23.8944 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 33.2512, 62.2284, 23.8944 by changing the saturation by 10% instead.


 33.2512, 62.2284,
23.8944


 33.2512, 62.2284,
23.8944


308.4251,
432.7637, 285.5555


 22.4791, 45.2173,
15.0438


 64.1196, 108.0556,
50.7995


 14.3279, 31.6286,
8.7032


 84.9466, 137.6404,
69.6911


 8.4323, 21.0780,
4.4539


 109.8559,
172.1853, 92.7668

 4.4269, 13.1810,
1.8775

 139.2129,
212.0745, 120.4451

 1.9464, 7.5533,
0.4784

 173.3830,
257.6926, 153.1446

 0.6036, 3.8105,
0.0000

212.7315,

 0.0000, 1.5681,

309.4239, 191.2838

0.0000

257.6238,
367.6528, 235.2813

■ 0.0000, 0.3360,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.2512, 62.2284,
23.8944

■ 33.2512, 62.2284,
23.8944

■ 33.0029, 62.1223,
22.9733

■ 34.4685, 62.7698,
27.9243

■ 36.3163, 63.6210,
32.5883

■ 38.9076, 64.8416,
37.9171

■ 42.3272, 66.4748,
43.9371

■ 46.6480, 68.5576,
50.6734

■ 51.9342, 71.1228,
58.1493

■ 58.2442, 74.1999,
66.3873

■ 65.6312, 77.8160,
75.4086

■ 74.1450, 81.9964,
85.2339

Harmonies

Analogous

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



44.1941, 62.2284, 9.9445



33.2512, 62.2284, 23.8944



29.1648, 62.2284, 60.7302

Triad

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



33.2512, 62.2284, 23.8944



56.6392, 62.2284, 240.2657



99.4210, 62.2284, 30.7611

Complementary

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



33.2512, 62.2284, 23.8944



39.9152, 20.1439, 25.8353

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.



104.7731, 62.2284, 75.3041



33.2512, 62.2284, 23.8944



77.1394, 62.2284, 216.3346

Square

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



33.2512, 62.2284, 23.8944



40.6651, 62.2284, 200.9223



95.8686, 62.2284, 146.6365



82.5183, 62.2284, 12.1120

Rectangle

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



33.2512, 62.2284, 23.8944



30.0328, 62.2284, 101.9401



95.8686, 62.2284, 146.6365



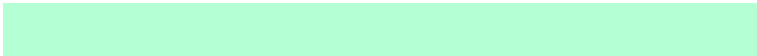
102.7700, 62.2284, 42.2215

Sweetspot

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



33.2527, 62.2309, 23.8958



66.8282, 86.1500, 76.0058



41.6515, 66.8574, 10.8823



13.6140, 18.1030, 15.3753



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.



33.2527, 62.2309, 23.8958



38.5694, 72.6437, 26.7139



43.3940, 66.2874, 77.2991



15.8487, 17.7695, 18.2264



18.4736, 34.6815, 13.1429



1.5858, 2.9047, 1.3511

Inverse Universe

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



39.9152, 20.1439, 25.8353



46.3581, 23.3072, 28.8815



35.5058, 18.3801, 2.6159



16.1497, 15.9096, 18.3443



22.1940, 11.1500, 14.2040



1.8961, 0.9475, 1.4438

Previews

White Background



This preview shows how the XYZ color 33.2512, 62.2284, 23.8944 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 33.2512, 62.2284, 23.8944 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 33.2512, 62.2284, 23.8944

Background



This preview shows how black text looks on a background with the XYZ color 33.2512, 62.2284, 23.8944.

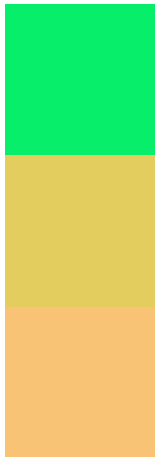


This preview shows how white text looks on a background with the XYZ color 33.2512, 62.2284,

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

33.2512, 62.2284, 23.8944

Protanopia

55.5754, 60.8198, 19.6367

Deuteranopia

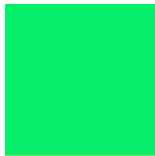
61.7929, 60.4543, 25.2416



Tritanopia

47.1969, 62.0493, 93.4936

Trichromacy



Original Color

33.2512, 62.2284, 23.8944



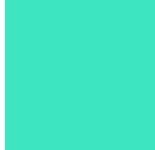
Protanomaly

39.0976, 56.7296, 20.6936



Deuteranomaly

40.9728, 55.3579, 24.1484



Tritanomaly

39.5694, 60.8810, 60.1178

Monochromacy



Original Color

33.2512, 62.2284, 23.8944



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.1198, 39.2134, 29.8065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2512, 62.2284, 23.8944 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(6, 238, 106)` looks like.

```
.text, #text, p{  
    color:rgb(6, 238, 106)  
}
```

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(6, 238, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 238, 106) }
```

Border

The CSS property to change the border of an element to XYZ 33.2512, 62.2284, 23.8944 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(6, 238, 106) }
```


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

```
.border{ border-color:rgb(6, 238, 106) }
```

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

Here you see how a box with a 4 pixel rgb(6, 238, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 238, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 238, 106);  
box-shadow:4px 4px 4px 4px rgb(6, 238,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2512, 62.2284, 23.8944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 238, 106) }
```

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

```
.background{ background-color: rgb(6, 238,  
106) }
```

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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