

Converting Colors

XYZ(33.5145, 62.6603, 10.5293)

Have a look what the booklet for
XYZ(33.5145, 62.6603, 10.5293)
contains.

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Color

**XYZ(33.5145, 62.6603,
10.5293)**

Conversions

Conversions Part 1

Format	Color
Hex	4BEE07
RGB	75, 238, 7
RGB Percent	29%, 93%, 3%
CMY	0.7059, 0.0666, 0.9724
CMYK	0.68, 0.00, 0.97, 0.07
HSL	102°, 94%, 48%
HSV	102°, 97%, 93%
XYZ	33.5145, 62.6603, 10.5293
YIQ	162.9290, -22.9970, -106.3970

Conversions

Conversions Part 2

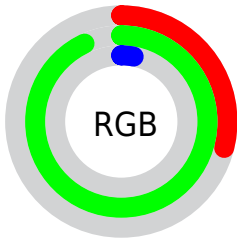
Format	Color
RYB	7, 238, 170
Decimal	4976135
CIELab	83.26, -74.62, 79.34
CIELCh	83, 108.920, 133.243
Yxy	62.6603, 0.3141, 0.5872
Android (android.graphics.Color)	4283166215 (0xFF4BEE07)
YUV	162.9290, -76.8730, -77.1137
Hunter-Lab	79.1583, -62.9525, 47.5243

Details

The XYZ color **33.5145, 62.6603, 10.5293** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **32.0960, 14.8766, 82.0722**, and the grayscale version is **35.1418, 36.9719, 40.2624**.

A 20% lighter version of the original color is **49.3254, 78.2951, 22.4103**, and **16.3213, 32.6425, 5.4404** is the 20% darker color. If you saturate the color by 10%, you get **33.1041, 62.4551, 10.3103**, and if you desaturate by 10%, it is **35.2143, 63.5146, 11.6885**.

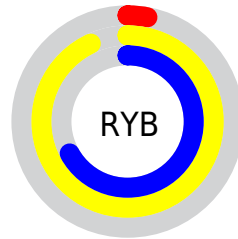
Distribution



Red (29%)

Green (93%)

Blue (3%)



Red (3%)

Yellow (93%)

Blue (67%)

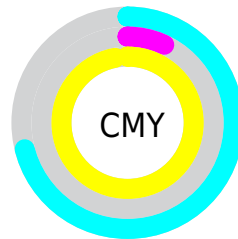


Cyan (68%)

Magenta (0%)

Yellow (97%)

Black (7%)



Cyan (71%)


Magenta (7%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5145, 62.6603, 10.5293 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 33.5145, 62.6603, 10.5293 by changing the saturation by 10% instead.


 33.5145, 62.6603,
10.5293


 33.5145, 62.6603,
10.5293


309.5859,
434.3356, 205.0293


 22.6820, 45.5664,
5.6411


 64.5273, 108.6793,
27.4096

 14.4783, 31.9038,
2.5629


 85.4383, 138.3732,
40.2389


 8.5380, 21.2881,
0.8732


 110.4395,
173.0359, 56.5522

 4.4958, 13.3347,
0.0000

 139.8962,
213.0519, 76.7682

 1.9862, 7.6594,
0.0000

 174.1739,
258.8054, 101.3053

 0.6262, 3.8778,
0.0000

 213.6378,

 0.0000, 1.6055,

310.6810, 130.5822

0.0000

258.6534,
369.0629, 165.0174

■ 0.0000, 0.3613,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.5145, 62.6603,
10.5293

■ 33.5145, 62.6603,
10.5293

■ 33.1041, 62.4551,
10.3103

■ 35.2143, 63.5146,
11.6885

■ 37.5134, 64.6495,
14.0703

■ 40.4812, 66.0974,
17.9145

■ 44.1733, 67.8831,
23.4066

■ 48.6391, 70.0283,
30.7045

■ 53.9228, 72.5531,
39.9477

■ 60.0655, 75.4757,
51.2621

■ 67.1050, 78.8132,
64.7628

■ 75.0770, 82.5815,
80.5565

Harmonies

Analogous

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



49.7330, 62.6603, 3.7585



33.5145, 62.6603, 10.5293



25.7578, 62.6603, 37.1395

Triad

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



33.5145, 62.6603, 10.5293



47.3820, 62.6603, 284.4103



115.7089, 62.6603, 42.5248

Complementary

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



33.5145, 62.6603, 10.5293



32.0960, 14.8766, 82.0722

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.



114.5885, 62.6603, 113.0959



33.5145, 62.6603, 10.5293



70.5957, 62.6603, 289.7991

Square

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



33.5145, 62.6603, 10.5293



32.1881, 62.6603, 202.0348



96.4682, 62.6603, 213.9079



99.2140, 62.6603, 12.2395

Rectangle

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



33.5145, 62.6603, 10.5293



24.7094, 62.6603, 75.8639



96.4682, 62.6603, 213.9079



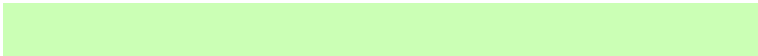
117.4878, 62.6603, 61.1195

Sweetspot

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



33.5159, 62.6629, 10.5307



68.6825, 87.5281, 57.0176



49.4347, 46.4628, 6.5647



14.0351, 18.4180, 10.9736



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.



33.5159, 62.6629, 10.5307



38.6644, 73.0173, 12.0559



31.3118, 61.4563, 13.6078



16.0030, 17.8817, 16.7578



18.5802, 34.9000, 5.7571



1.6415, 2.9527, 0.4834

Inverse Universe

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



32.0960, 14.8766, 82.0722



36.8643, 16.9191, 95.9305



44.8312, 22.1280, 51.6675



15.9749, 15.7843, 19.9263



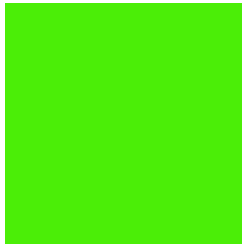
17.7507, 8.1562, 45.7666



1.5756, 0.7295, 3.8120

Previews

White Background



This preview shows how the XYZ color 33.5145, 62.6603, 10.5293 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 33.5145, 62.6603, 10.5293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

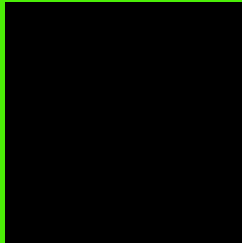
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5145, 62.6603, 10.5293

Background



This preview shows how black text looks on a background with the XYZ color 33.5145, 62.6603, 10.5293.



This preview shows how white text looks on a background with the XYZ color 33.5145, 62.6603,

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

33.5145, 62.6603, 10.5293

Protanopia

55.3500, 61.2984, 8.9145

Deuteranopia

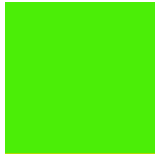
62.3195, 61.2757, 15.5640



Tritanopia

49.3216, 62.0098, 91.0309

Trichromacy



Original Color

33.5145, 62.6603, 10.5293



Protanomaly

42.7670, 59.2633, 9.2711



Deuteranomaly

45.1493, 57.7836, 12.0225



Tritanomaly

39.0944, 60.2478, 40.5788

Monochromacy



Original Color

33.5145, 62.6603, 10.5293



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.3750, 42.6928, 20.2753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5145, 62.6603, 10.5293 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(75, 238, 7)` looks like.

```
.text, #text, p{  
    color:rgb(75, 238, 7)  
}
```

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(75, 238, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 238, 7) }
```

Border

The CSS property to change the border of an element to XYZ 33.5145, 62.6603, 10.5293 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(75, 238, 7) }
```


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

```
.border{ border-color:rgb(75, 238, 7) }
```

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

Here you see how a box with a 4 pixel rgb(75, 238, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 238, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 238, 7);  
box-shadow:4px 4px 4px 4px rgb(75, 238, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.5145, 62.6603, 10.5293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 238, 7) }
```

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

```
.background{ background-color: rgb(75, 238,  
7) }
```

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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