

Converting Colors

XYZ(33.8254, 59.6702, 23.6035)

Have a look what the booklet for
XYZ(33.8254, 59.6702, 23.6035)
contains.

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Color

**XYZ(33.7555, 59.5155,
23.6185)**

Conversions

Conversions Part 1

Format	Color
Hex	46E76B
RGB	70, 231, 107
RGB Percent	27%, 91%, 42%
CMY	0.7255, 0.0941, 0.5804
CMYK	0.70, 0.00, 0.54, 0.09
HSL	134°, 77%, 59%
HSV	134°, 70%, 91%
XYZ	33.7555, 59.5155, 23.6185
YIQ	168.7250, -56.1520, -72.6960

Conversions

Conversions Part 2

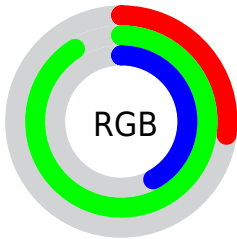
Format	Color
RYB	70, 201, 231
Decimal	4646763
CIELab	81.57, -66.49, 48.06
CIElCh	82, 82.046, 144.141
Yxy	59.5155, 0.2888, 0.5092
Android (android.graphics.Color)	4282836843 (0xFF46E76B)
YUV	168.7250, -30.4304, -86.5818
Hunter-Lab	77.1463, -56.9030, 35.8506

Details

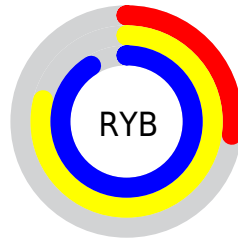
The XYZ color **33.7555, 59.5155, 23.6185** is a dark color, and the websafe version is hex **00CC66**. The color can be described as middle muted spring green. A complement of this color would be **44.8843, 25.2651, 53.5505**, and the grayscale version is **37.7428, 39.7083, 43.2424**.

A 20% lighter version of the original color is **52.5096, 79.4116, 46.2786**, and **15.8256, 30.5479, 8.6767** is the 20% darker color. If you saturate the color by 10%, you get **31.5569, 58.4810, 19.1228**, and if you desaturate by 10%, it is **36.7901, 60.9621, 29.1612**.

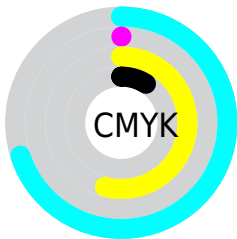
Distribution



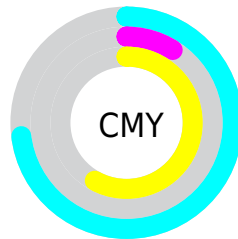
- Red (27%)
- Green (91%)
- Blue (42%)



- Red (27%)
- Yellow (79%)
- Blue (91%)



- Cyan (70%)
- Magenta (0%)
- Yellow (54%)
- Black (9%)





- Cyan (73%)
- Magenta (9%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7555, 59.5155, 23.6185 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 33.7555, 59.5155, 23.6185 by changing the saturation by 10% instead.


 33.7555, 59.5155,
23.6185


 33.7555, 59.5155,
23.6185


310.6456,
422.8096, 284.1102


 22.8678, 43.0282,
14.8413


 64.9001, 104.1265,
50.3429


 14.6161, 29.9073,
8.5627


 85.8877, 133.0191,
69.1272

 8.6350, 19.7682,
4.3642

 110.9727,
166.8155, 92.0843

 4.5590, 12.2267,
1.8272

 140.5204,
205.9002, 119.6327

 2.0230, 6.8982,
0.4458

174.8962,
250.6575, 152.1909

 0.6468, 3.3985,
0.0000

214.4654,

 0.0000, 1.3432,

301.4720, 190.1776

0.0000

259.5934,
358.7279, 234.0111

■ 0.0000, 0.1743,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.7555, 59.5155,
23.6185

■ 33.7555, 59.5155,
23.6185

■ 31.5569, 58.4810,
19.1228

■ 36.7901, 60.9621,
29.1612

■ 30.0999, 57.8063,
15.6036


■ 40.7330, 62.8517,
35.8073

■ 29.2431, 57.4216,
12.9868


■ 45.6533, 65.2205,
43.6137


■ 29.2218, 57.4121,
12.9207


■ 51.6121, 68.0989,
52.6326

 58.6654, 71.5148,
62.9125

 66.8653, 75.4940,
74.4996

 76.2602, 80.0607,
87.4377

 86.8960, 85.2374,
101.7685

 87.8671, 85.6342,
106.5057

Harmonies

Analogous

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



44.0796, 59.5155, 11.0756



33.7555, 59.5155, 23.6185



29.6127, 59.5155, 55.5977

Triad

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



33.7555, 59.5155, 23.6185



53.2551, 59.5155, 212.2755



92.4748, 59.5155, 33.2460

Complementary

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



33.7555, 59.5155, 23.6185



44.8843, 25.2651, 53.5505

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.



96.3045, 59.5155, 74.9705



33.7555, 59.5155, 23.6185



71.2162, 59.5155, 195.5387

Square

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



33.7555, 59.5155, 23.6185



39.3065, 59.5155, 176.0170



87.8639, 59.5155, 137.7203



78.2612, 59.5155, 14.3317

Rectangle

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



33.7555, 59.5155, 23.6185



30.1552, 59.5155, 90.8350



87.8639, 59.5155, 137.7203



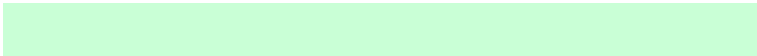
95.1256, 59.5155, 44.2892

Sweetspot

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



33.7570, 59.5180, 23.6198



72.0752, 88.8426, 76.8055



52.4788, 69.3483, 16.4140



14.8843, 18.7530, 15.6542



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.



33.7570, 59.5180, 23.6198



38.5132, 72.7260, 21.6871



39.9008, 61.9755, 55.9726



14.3243, 16.1432, 15.9727



16.4207, 32.2004, 7.4499



1.2485, 2.3935, 0.7351

Inverse Universe

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



44.8843, 25.2651, 53.5505



53.1388, 27.2772, 60.7109



38.2768, 22.6221, 18.7559



14.8460, 14.5556, 17.3892



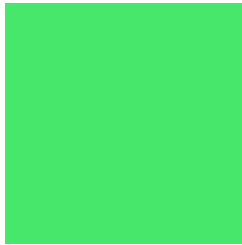
23.0246, 11.3441, 24.8223



1.7361, 0.8521, 2.0167

Previews

White Background



This preview shows how the XYZ color 33.7555, 59.5155, 23.6185 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 33.7555, 59.5155, 23.6185 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 33.7555, 59.5155, 23.6185

Background



This preview shows how black text looks on a background with the XYZ color 33.7555, 59.5155, 23.6185.

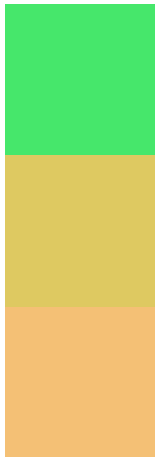


This preview shows how white text looks on a background with the XYZ color 33.7555, 59.5155,

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

33.7555, 59.5155, 23.6185

Protanopia

53.1685, 58.1660, 19.7341

Deuteranopia

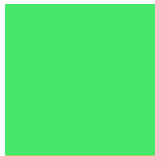
59.3687, 58.2167, 24.9375



Tritanopia

46.3638, 59.0034, 87.5424

Trichromacy



Original Color

33.7555, 59.5155, 23.6185



Protanomaly

41.8288, 56.2420, 20.9631



Deuteranomaly

44.1080, 55.1586, 23.9447



Tritanomaly

40.0222, 58.3602, 56.7322

Monochromacy



Original Color

33.7555, 59.5155, 23.6185



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.7108, 44.7611, 34.0571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7555, 59.5155, 23.6185 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(70, 231, 107)` looks like.

```
.text, #text, p{  
    color:rgb(70, 231, 107)  
}
```

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(70, 231, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 231, 107) }
```

Border

The CSS property to change the border of an element to XYZ 33.7555, 59.5155, 23.6185 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(70, 231, 107) }
```


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

```
.border{ border-color:rgb(70, 231, 107) }
```

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

Here you see how a box with a 4 pixel rgb(70, 231, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 231, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 231, 107);  
box-shadow:4px 4px 4px 4px rgb(70, 231,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7555, 59.5155, 23.6185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 231, 107) }
```

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

```
.background{ background-color: rgb(70, 231,  
107) }
```

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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