

Converting Colors

XYZ(30.7926, 55.6842, 19.4634)

Have a look what the booklet for
XYZ(30.7926, 55.6842, 19.4634)
contains.

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Color

**XYZ(30.7645, 55.6014,
19.4666)**

Conversions

Conversions Part 1

Format	Color
Hex	3CE15D
RGB	60, 225, 93
RGB Percent	24%, 88%, 36%
CMY	0.7647, 0.1176, 0.6353
CMYK	0.73, 0.00, 0.59, 0.12
HSL	132°, 73%, 56%
HSV	132°, 73%, 88%
XYZ	30.7645, 55.6014, 19.4666
YIQ	160.6170, -55.9680, -76.0320

Conversions

Conversions Part 2

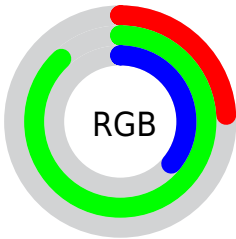
Format	Color
RYB	60, 198, 225
Decimal	3989853
CIELab	79.39, -67.85, 51.79
CIELCh	79, 85.356, 142.645
Yxy	55.6014, 0.2907, 0.5254
Android (android.graphics.Color)	4282179933 (0xFF3CE15D)
YUV	160.6170, -33.3352, -88.2411
Hunter-Lab	74.5663, -56.8458, 36.7179

Details

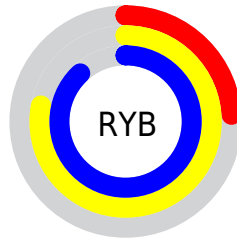
The XYZ color **30.7645, 55.6014, 19.4666** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **42.1832, 23.0460, 52.0955**, and the grayscale version is **33.8681, 35.6319, 38.8031**.

A 20% lighter version of the original color is **50.2324, 78.3724, 40.0836**, and **14.3688, 28.1517, 6.5960** is the 20% darker color. If you saturate the color by 10%, you get **28.9775, 54.7633, 15.7004**, and if you desaturate by 10%, it is **33.3193, 56.8168, 24.2507**.

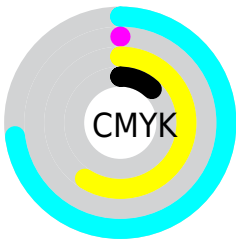
Distribution



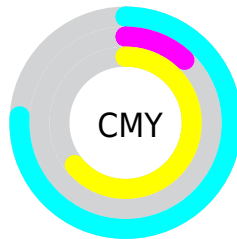
- Red (24%)
- Green (88%)
- Blue (36%)



- Red (24%)
- Yellow (78%)
- Blue (88%)



- Cyan (73%)
- Magenta (0%)
- Yellow (59%)
- Black (12%)





- Cyan (76%)
- Magenta (12%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7645, 55.6014, 19.4666 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 30.7645, 55.6014, 19.4666 by changing the saturation by 10% instead.


 30.7645, 55.6014,
19.4666


 30.7645, 55.6014,
19.4666


297.2982,
408.1876, 261.5207


 20.5705, 39.8834,
11.8277


 60.2475, 98.4215,
43.3682


 12.9211, 27.4477,
6.5054

 80.2672, 126.2925,
60.4680

 7.4509, 17.9097,
3.0810


 104.2929,
158.9833, 81.5585

 3.7945, 10.8852,
1.1361

 132.6899,
196.8782, 107.0583

 1.5865, 5.9897,
0.0000

165.8236,
240.3617, 137.3859

 0.3836, 2.8388,
0.0000

204.0593,

 0.0000, 1.0482,

289.8182, 172.9598

0.0000

247.7624,
345.6320, 214.1985

■ 0.0000, 0.0000,
0.0000

■ 30.7645, 55.6014,
19.4666

■ 30.7645, 55.6014,
19.4666

■ 28.9775, 54.7633,
15.7004

■ 33.3193, 56.8168,
24.2507

■ 27.8619, 54.2496,
12.8741


■ 36.7150, 58.4411,
30.1155

■ 27.4000, 54.0421,
11.4699


■ 41.0206, 60.5101,
37.1231

■ 46.2966, 63.0537,
45.3299

■ 52.5981, 66.0995,
54.7884

 59.9763, 69.6725,
65.5482

 68.4787, 73.7965,
77.6560

 78.1500, 78.4935,
91.1563

 86.2163, 82.3326,
105.9554

Harmonies

Analogous

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



41.1609, 55.6014, 8.5619



30.7645, 55.6014, 19.4666



26.4642, 55.6014, 49.2571

Triad

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



30.7645, 55.6014, 19.4666



48.7449, 55.6014, 210.4057



89.4158, 55.6014, 31.0168

Complementary

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



30.7645, 55.6014, 19.4666



42.1832, 23.0460, 52.0955

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.



92.6728, 55.6014, 73.4274



30.7645, 55.6014, 19.4666



66.5598, 55.6014, 195.8606

Square

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



30.7645, 55.6014, 19.4666



35.2868, 55.6014, 170.6322



83.5653, 55.6014, 137.6364



75.4392, 55.6014, 12.2730

Rectangle

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



30.7645, 55.6014, 19.4666



26.7982, 55.6014, 83.6086



83.5653, 55.6014, 137.6364



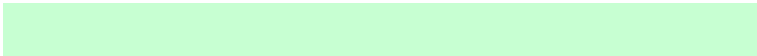
91.9079, 55.6014, 42.1612

Sweetspot

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



30.7658, 55.6037, 19.4679



70.9345, 88.3076, 74.3579



49.4811, 65.3858, 14.2880



14.6542, 18.6457, 15.1335



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.



30.7658, 55.6037, 19.4679



37.5997, 72.3198, 18.7208



36.5773, 57.9283, 50.0706



13.6403, 15.3819, 15.1411



15.8218, 31.1536, 6.7844



1.1285, 2.1721, 0.6381

Inverse Universe

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



42.1832, 23.0460, 52.0955



53.3672, 26.8782, 63.4253



35.4560, 20.3551, 16.6705



14.1714, 13.8862, 16.6727



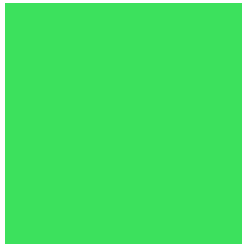
22.6830, 11.1402, 26.0600



1.6025, 0.7843, 1.9656

Previews

White Background



This preview shows how the XYZ color 30.7645, 55.6014, 19.4666 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 30.7645, 55.6014, 19.4666 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 30.7645, 55.6014, 19.4666

Background



This preview shows how black text looks on a background with the XYZ color 30.7645, 55.6014, 19.4666.

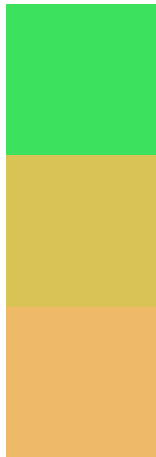


This preview shows how white text looks on a background with the XYZ color 30.7645, 55.6014,

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

30.7645, 55.6014, 19.4666

Protanopia

49.7306, 54.4220, 16.2709

Deuteranopia

55.6542, 54.4680, 20.6768



Tritanopia

43.0068, 55.1330, 81.7738

Trichromacy



Original Color

30.7645, 55.6014, 19.4666



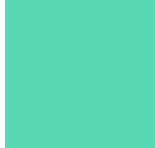
Protanomaly

38.2888, 52.3043, 17.0945



Deuteranomaly

40.4101, 51.2273, 19.8146



Tritanomaly

36.7171, 54.4411, 51.2208

Monochromacy



Original Color

30.7645, 55.6014, 19.4666



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.8966, 40.3436, 29.5039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7645, 55.6014, 19.4666 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(60, 225, 93)` looks like.

```
.text, #text, p{  
    color:rgb(60, 225, 93)  
}
```

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(60, 225, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 225, 93) }
```

Border

The CSS property to change the border of an element to XYZ 30.7645, 55.6014, 19.4666 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(60, 225, 93) }
```


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

```
.border{ border-color:rgb(60, 225, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 225, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 225, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 225, 93);  
box-shadow:4px 4px 4px 4px rgb(60, 225,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7645, 55.6014, 19.4666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 225, 93) }
```

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

```
.background{ background-color: rgb(60, 225,  
93) }
```

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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