

Converting Colors

XYZ(19.5856, 29.6200, 15.0949)

Have a look what the booklet for
XYZ(19.5856, 29.6200, 15.0949)
contains.

XYZ(19.5656, 29.5654, 15.0314)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.5656, 29.5654,
15.0314)**

Conversions

Conversions Part 1

Format	Color
Hex	5BA45D
RGB	91, 164, 93
RGB Percent	36%, 64%, 36%
CMY	0.6431, 0.3568, 0.6353
CMYK	0.45, 0.00, 0.43, 0.36
HSL	122°, 29%, 50%
HSV	122°, 45%, 64%
XYZ	19.5656, 29.5654, 15.0314
YIQ	134.0790, -20.7170, -37.5570

Conversions

Conversions Part 2

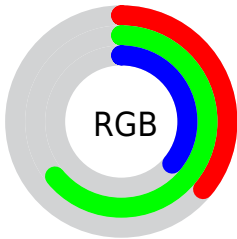
Format	Color
R_{YB}	91, 162, 164
Decimal	6005853
CIE _{Lab}	61.28, -37.87, 29.87
CIE _{LCh}	61, 48.230, 141.731
Yxy	29.5654, 0.3049, 0.4608
Android (android.graphics.Color)	4284195933 (0xFF5BA45D)
YUV	134.0790, -20.2519, -37.7803
Hunter-Lab	54.3741, -30.9244, 21.6715

Details

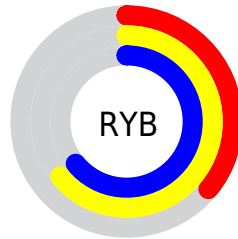
The XYZ color **19.5656, 29.5654, 15.0314** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **25.5734, 17.9838, 36.3065**, and the grayscale version is **22.7672, 23.9529, 26.0847**.

A 20% lighter version of the original color is **42.3043, 59.2198, 35.5864**, and **6.8856, 11.9334, 4.4231** is the 20% darker color. If you saturate the color by 10%, you get **17.4879, 28.5685, 11.6232**, and if you desaturate by 10%, it is **22.1455, 30.8059, 19.2336**.

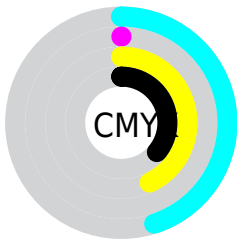
Distribution



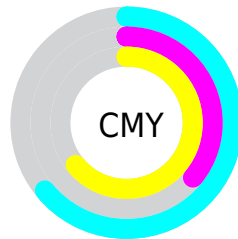
- Red (36%)
- Green (64%)
- Blue (36%)



- Red (36%)
- Yellow (64%)
- Blue (64%)



- Cyan (45%)
- Magenta (0%)
- Yellow (43%)
- Black (36%)



- Cyan (64%)
- Magenta (36%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5656, 29.5654, 15.0314 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 19.5656, 29.5654, 15.0314 by changing the saturation by 10% instead.

■ 19.5656, 29.5654,
15.0314

■ 19.5656, 29.5654,
15.0314

242.4323,
299.8734, 235.2035

■ 12.1861, 19.5089,
8.6946

■ 42.1972, 58.9742,
35.6513

■ 6.9436, 12.0386,
4.4484

■ 58.1800, 79.0953,
50.7715

■ 3.4729, 6.7700,
1.8744

■ 77.7613, 103.3402,
69.6565

■ 1.4085, 3.3187,
0.4764

■ 101.3064,
132.0931, 92.7250

■ 0.2623, 1.3003,
0.0000

129.1807,
165.7385, 120.3954

■ 0.0000, 0.1414,
0.0000

161.7495,

■ 0.0000, 0.0000,

204.6607, 153.0862

0.0000

199.3783,
249.2442, 191.2161

■ 19.5656, 29.5654,
15.0314

■ 19.5656, 29.5654,
15.0314

■ 17.4879, 28.5685,
11.6232

■ 22.1455, 30.8059,
19.2336

■ 15.8776, 27.7957,
8.9574

■ 25.2550, 32.3006,
24.2732

■ 14.6993, 27.2308,
6.9791


■ 28.9221, 34.0638,
30.1930

■ 13.9111, 26.8536,
5.6254


■ 33.1722, 36.1079,
37.0320


■ 13.4630, 26.6399,
4.8217


■ 38.0292, 38.4442,
44.8272

 13.3007, 26.5620,
4.5551

 43.5157, 41.0838,
53.6133

 49.6529, 44.0369,
63.4234

 56.4613, 47.3133,
74.2890

 63.9604, 50.9225,
86.2403

Harmonies

Analogous

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



23.8194, 29.5654, 9.4132



19.5656, 29.5654, 15.0314



17.6695, 29.5654, 27.4213

Triad

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



19.5656, 29.5654, 15.0314



26.3818, 29.5654, 80.6599



41.0337, 29.5654, 20.9053

Complementary

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



19.5656, 29.5654, 15.0314



25.5734, 17.9838, 36.3065

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.



41.9943, 29.5654, 37.4856



19.5656, 29.5654, 15.0314



32.8672, 29.5654, 76.8099

Square

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



19.5656, 29.5654, 15.0314



21.1986, 29.5654, 68.1778



38.8154, 29.5654, 59.0605



36.3595, 29.5654, 11.8064

Rectangle

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



19.5656, 29.5654, 15.0314



17.7637, 29.5654, 39.8356



38.8154, 29.5654, 59.0605



41.8271, 29.5654, 25.5941

Sweetspot

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



19.5663, 29.5666, 15.0321



53.4153, 62.2708, 56.2839



30.2250, 35.0715, 15.0740



11.3451, 13.4537, 11.7688



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.5663, 29.5666, 15.0321



31.9155, 51.9375, 21.3828



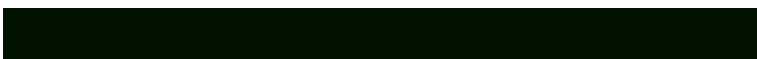
21.5342, 30.3538, 25.3948



6.9931, 7.8980, 7.5752



10.2008, 20.3667, 3.5080



0.2166, 0.4288, 0.0854

Inverse Universe

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



25.5734, 17.9838, 36.3065



44.1809, 28.2779, 64.8149



22.8360, 16.8888, 21.8915



7.3559, 7.1988, 8.8606



16.5737, 7.9855, 26.0096



0.3507, 0.1688, 0.5593

Previews

White Background



This preview shows how the XYZ color 19.5656, 29.5654, 15.0314 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5656, 29.5654, 15.0314 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 × Fail

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

XYZ 19.5656, 29.5654, 15.0314

Background



This preview shows how black text looks on a background with the XYZ color 19.5656, 29.5654, 15.0314.



This preview shows how white text looks on a background with the XYZ color 19.5656, 29.5654,

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

19.5656, 29.5654, 15.0314

Protanopia

26.8520, 29.1326, 13.2247

Deuteranopia

29.6340, 29.1617, 15.6222



Tritanopia

24.7331, 29.3340, 41.4042

Trichromacy



Original Color

19.5656, 29.5654, 15.0314

Protanomaly

23.3477, 28.7380, 13.7676

Deuteranomaly

24.5358, 28.3592, 15.2470

Tritanomaly

22.4014, 29.1435, 29.6439

Monochromacy



Original Color

19.5656, 29.5654, 15.0314

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

20.9264, 25.4343, 21.2591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5656, 29.5654, 15.0314 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(91, 164, 93)` looks like.

```
.text, #text, p{  
    color:rgb(91, 164, 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(91, 164, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 164, 93) }
```

Border

The CSS property to change the border of an element to XYZ 19.5656, 29.5654, 15.0314 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(91, 164, 93) }
```


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

```
.border{ border-color:rgb(91, 164, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 164, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 164, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 164, 93);  
box-shadow:4px 4px 4px 4px rgb(91, 164,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5656, 29.5654, 15.0314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 164, 93) }
```

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

```
.background{ background-color: rgb(91, 164,  
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](#).

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