

Converting Colors

XYZ(16.0059, 30.5148, 6.6318)

Have a look what the booklet for
XYZ(16.0059, 30.5148, 6.6318)
contains.

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Color

**XYZ(15.9401, 30.3658,
6.6112)**

Conversions

Conversions Part 1

Format	Color
Hex	23AD23
RGB	35, 173, 35
RGB Percent	14%, 68%, 14%
CMY	0.8627, 0.3216, 0.8627
CMYK	0.80, 0.00, 0.80, 0.32
HSL	120°, 66%, 41%
HSV	120°, 80%, 68%
XYZ	15.9401, 30.3658, 6.6112
YIQ	116.0060, -37.9500, -72.1740

Conversions

Conversions Part 2

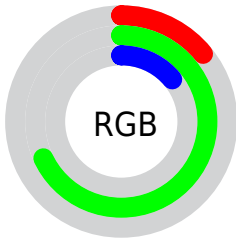
Format	Color
RYB	35, 173, 173
Decimal	2338083
CIELab	61.97, -60.34, 55.82
CIElCh	62, 82.199, 137.228
Yxy	30.3658, 0.3012, 0.5738
Android (android.graphics.Color)	4280528163 (0xFF23AD23)
YUV	116.0060, -39.9360, -71.0423
Hunter-Lab	55.1052, -44.7999, 31.4603

Details

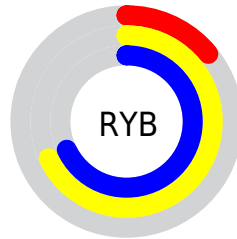
The XYZ color **15.9401, 30.3658, 6.6112** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **25.3779, 13.1038, 40.7257**, and the grayscale version is **16.7301, 17.6014, 19.1679**.

A 20% lighter version of the original color is **36.1290, 60.4131, 19.6542**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **15.2949, 30.0568, 5.5552**, and if you desaturate by 10%, it is **17.0027, 30.8771, 8.3488**.

Distribution



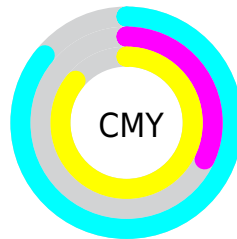
- Red (14%)
- Green (68%)
- Blue (14%)



- Red (14%)
- Yellow (68%)
- Blue (14%)



- Cyan (80%)
- Magenta (0%)
- Yellow (80%)
- Black (32%)





- Cyan (86%)
- Magenta (32%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9401, 30.3658, 6.6112 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 15.9401, 30.3658, 6.6112 by changing the saturation by 10% instead.


 15.9401, 30.3658,
6.6112


 15.9401, 30.3658,
6.6112


222.2653,
303.6058, 173.8993


 9.5724, 20.1164,
3.1454


 36.0525, 60.2402,
19.6860


 5.1764, 12.4797,
1.1694


 50.5278, 80.6340,
30.1322

 2.3870, 7.0713,
0.0000


 68.4364, 105.1780,
43.7422

 0.8386, 3.5067,
0.0000

 90.1436, 134.2567,
60.9346

 0.0000, 1.4016,
0.0000

 116.0147,
168.2544, 82.1280

 0.0000, 0.2179,
0.0000

 146.4151,

 0.0000, 0.0000,

207.5556, 107.7409

0.0000

181.7102,
252.5446, 138.1918

■ 15.9401, 30.3658,
6.6112

■ 15.9401, 30.3658,
6.6112

■ 15.2949, 30.0568,
5.5552

■ 17.0027, 30.8771,
8.3488

■ 14.9514, 29.8918,
4.9934

■ 18.5344, 31.6129,
10.8544

■ 14.9442, 29.8883,
4.9816

■ 20.5820, 32.5964,
14.2036

■ 23.1857, 33.8472,
18.4625

■ 26.3822, 35.3826,
23.6909

■ 30.2047, 37.2187,
29.9432

■ 34.6840, 39.3704,
37.2699

■ 39.8491, 41.8514,
45.7181

■ 45.7270, 44.6749,
55.3322

Harmonies

Analogous

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



23.0329, 30.3658, 2.3796



15.9401, 30.3658, 6.6112



12.7430, 30.3658, 21.3857

Triad

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



15.9401, 30.3658, 6.6112



24.4286, 30.3658, 134.4998



54.1828, 30.3658, 18.1566

Complementary

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



15.9401, 30.3658, 6.6112



25.3779, 13.1038, 40.7257

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.



54.8339, 30.3658, 48.3657



15.9401, 30.3658, 6.6112



35.5994, 30.3658, 131.4134

Square

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



15.9401, 30.3658, 6.6112



16.7368, 30.3658, 100.5591



47.3657, 30.3658, 93.7204



45.7642, 30.3658, 5.5353

Rectangle

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



15.9401, 30.3658, 6.6112



12.5378, 30.3658, 41.2964



47.3657, 30.3658, 93.7204



55.3814, 30.3658, 26.0042

Sweetspot

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



15.9408, 30.3671, 6.6119



50.7662, 65.0564, 48.1831



32.4818, 38.8943, 7.3856



10.5316, 13.8975, 9.6518



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



15.9408, 30.3671, 6.6119



26.9249, 53.6042, 9.1856



18.1361, 31.2452, 18.1723



7.9045, 8.9394, 8.5223



10.9783, 21.9566, 3.6596



0.3054, 0.6108, 0.1018

Inverse Universe

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



25.3779, 13.1038, 40.7257



44.4698, 21.5092, 72.6077



20.3341, 11.0862, 14.1654



8.3371, 8.1481, 10.0859



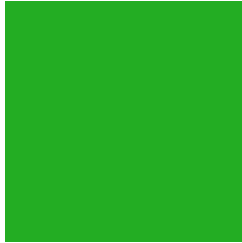
18.2015, 8.7432, 29.7703



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 15.9401, 30.3658, 6.6112 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 15.9401, 30.3658, 6.6112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

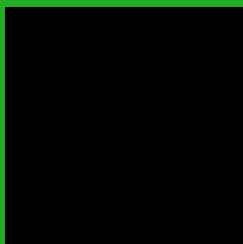
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 15.9401, 30.3658, 6.6112

Background



This preview shows how black text looks on a background with the XYZ color 15.9401, 30.3658, 6.6112.



This preview shows how white text looks on a background with the XYZ color 15.9401, 30.3658,

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

15.9401, 30.3658, 6.6112

Protanopia

26.9056, 29.7991, 5.4961

Deuteranopia

30.3503, 29.7191, 7.1543



Tritanopia

23.5267, 30.1654, 44.6269

Trichromacy



Original Color

15.9401, 30.3658, 6.6112



Protanomaly

20.0819, 28.4746, 5.7340



Deuteranomaly

21.2250, 27.7972, 6.7293



Tritanomaly

19.0169, 29.3645, 23.4045

Monochromacy



Original Color

15.9401, 30.3658, 6.6112



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.5964, 20.6057, 12.2248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9401, 30.3658, 6.6112 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(35, 173, 35)` looks like.

```
.text, #text, p{  
    color:rgb(35, 173, 35)  
}
```

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(35, 173, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 173, 35) }
```

Border

The CSS property to change the border of an element to XYZ 15.9401, 30.3658, 6.6112 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(35, 173, 35) }
```


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

```
.border{ border-color:rgb(35, 173, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 173, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 173, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 173, 35);  
box-shadow:4px 4px 4px 4px rgb(35, 173,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9401, 30.3658, 6.6112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 173, 35) }
```

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

```
.background{ background-color: rgb(35, 173,  
35) }
```

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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