

Converting Colors

XYZ(15.1686, 29.3668, 8.0426)

Have a look what the booklet for
XYZ(15.1686, 29.3668, 8.0426)
contains.

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Color

**XYZ(15.1605, 29.3648,
8.0009)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB33
RGB	0, 171, 51
RGB Percent	0%, 67%, 20%
CMY	1.0000, 0.3294, 0.8000
CMYK	1.00, 0.00, 0.70, 0.33
HSL	138°, 100%, 34%
HSV	138°, 100%, 67%
XYZ	15.1605, 29.3648, 8.0009
YIQ	106.1910, -63.3960, -73.5720

Conversions

Conversions Part 2

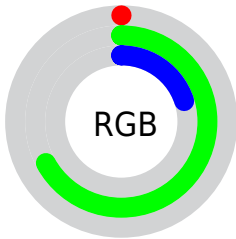
Format	Color
RYB	0, 132, 171
Decimal	43827
CIELab	61.10, -61.18, 49.16
CIElCh	61, 78.483, 141.212
Yxy	29.3648, 0.2886, 0.5591
Android (android.graphics.Color)	4278233907 (0xFF00AB33)
YUV	106.1910, -27.2092, -93.1295
Hunter-Lab	54.1893, -44.8925, 29.1785

Details

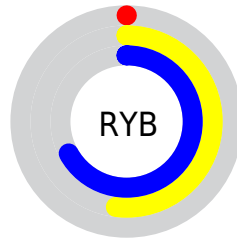
The XYZ color **15.1605, 29.3648, 8.0009** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.1860, 10.0147, 18.6411**, and the grayscale version is **13.8382, 14.5588, 15.8546**.

A 20% lighter version of the original color is **34.8582, 58.8660, 22.6218**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **15.1609, 29.3659, 8.0008**, and if you desaturate by 10%, it is **15.6939, 29.6060, 9.5907**.

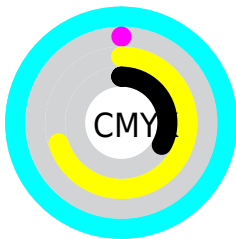
Distribution



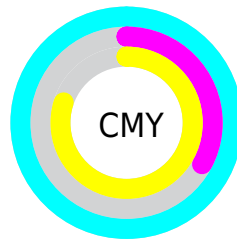
- Red (0%)
- Green (67%)
- Blue (20%)



- Red (0%)
- Yellow (52%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.1605, 29.3648, 8.0009 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 15.1605, 29.3648, 8.0009 by changing the saturation by 10% instead.


 15.1605, 29.3648,
8.0009


 15.1605, 29.3648,
8.0009


217.7048,
298.9323, 185.6739


 9.0192, 19.3570,
4.0077


 34.7038, 58.6562,
22.5064


 4.8109, 11.9285,
1.6296


 48.8366, 78.7085,
33.8558

 2.1703, 6.6950,
0.3118


 66.3638, 102.8778,
48.4944

 0.7270, 3.2721,
0.0000

 87.6508, 131.5484,
66.8408

 0.0000, 1.2754,
0.0000

 113.0631,
165.1048, 89.3133

 0.0000, 0.1220,
0.0000

 142.9660,

 0.0000, 0.0000,

203.9313, 116.3307

0.0000

177.7247,
248.4123, 148.3114

■ 15.1605, 29.3648,
8.0009

■ 15.1605, 29.3648,
8.0009

■ 15.1609, 29.3659,
8.0008

■ 15.6939, 29.6060,
9.5907

■ 16.5003, 29.9786,
11.5743

■ 17.6649, 30.5270,
13.9793

■ 19.2285, 31.2716,
16.8285

■ 21.2260, 32.2301,
20.1432

■ 23.6881, 33.4178,
23.9431

■ 26.6430, 34.8489,
28.2469

■ 30.1163, 36.5362,
33.0722

■ 34.1320, 38.4918,
38.4358

Harmonies

Analogous

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



21.3497, 29.3648, 2.9061



15.1605, 29.3648, 8.0009



12.5748, 29.3648, 24.0786

Triad

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



15.1605, 29.3648, 8.0009



24.9972, 29.3648, 126.9424



50.7003, 29.3648, 15.5485

Complementary

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



15.1605, 29.3648, 8.0009



20.1860, 10.0147, 18.6411

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.



52.3672, 29.3648, 41.4286



15.1605, 29.3648, 8.0009



35.6937, 29.3648, 119.1537

Square

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



15.1605, 29.3648, 8.0009



17.2656, 29.3648, 99.5444



46.3345, 29.3648, 82.1858



42.2200, 29.3648, 5.0293

Rectangle

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



15.1605, 29.3648, 8.0009



12.6604, 29.3648, 44.2972



46.3345, 29.3648, 82.1858



52.1465, 29.3648, 22.1776

Sweetspot

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



15.1612, 29.3660, 8.0016



47.4077, 62.2615, 50.1503



22.6683, 33.3051, 5.2341



10.0690, 13.6407, 10.4598



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.



15.1612, 29.3660, 8.0016



27.0696, 52.5582, 13.8972



18.8635, 30.8469, 27.4974



7.9991, 8.9772, 9.0204



11.4494, 22.1450, 6.1403



0.3429, 0.6258, 0.2993

Inverse Universe

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



20.1860, 10.0147, 18.6411



36.0527, 17.8957, 32.8686



17.1302, 8.7924, 2.5493



8.2338, 8.1068, 9.5418



15.2405, 7.5587, 14.1777



0.4465, 0.2193, 0.5132

Previews

White Background



This preview shows how the XYZ color 15.1605, 29.3648, 8.0009 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 15.1605, 29.3648, 8.0009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

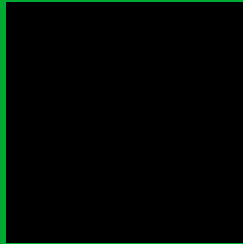
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.1605, 29.3648, 8.0009

Background



This preview shows how black text looks on a background with the XYZ color 15.1605, 29.3648, 8.0009.



This preview shows how white text looks on a background with the XYZ color 15.1605, 29.3648,

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

15.1605, 29.3648, 8.0009

Protanopia

26.2172, 28.9494, 6.6886

Deuteranopia

29.3935, 28.7581, 8.5591



Tritanopia

22.6394, 29.4608, 44.0284

Trichromacy



Original Color

15.1605, 29.3648, 8.0009



Protanomaly

18.1105, 26.9252, 6.9319



Deuteranomaly

19.0328, 26.1517, 8.0476



Tritanomaly

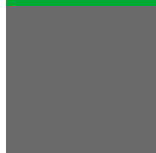
18.3201, 28.6938, 25.3418

Monochromacy



Original Color

15.1605, 29.3648, 8.0009



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

11.9771, 17.8304, 11.6145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1605, 29.3648, 8.0009 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(0, 171, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 51)  
}
```

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(0, 171, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 51) }
```

Border

The CSS property to change the border of an element to XYZ 15.1605, 29.3648, 8.0009 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(0, 171, 51) }
```


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

```
.border{ border-color:rgb(0, 171, 51) }
```

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

Here you see how a box with a 4 pixel rgb(0, 171, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 171, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.1605, 29.3648, 8.0009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 51) }
```

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

```
.background{ background-color: rgb(0, 171,  
51) }
```

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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