

Converting Colors

XYZ(17.3105, 30.0504, 6.4503)

Have a look what the booklet for
XYZ(17.3105, 30.0504, 6.4503)
contains.

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Color

**XYZ(17.2390, 29.9138,
6.4555)**

Conversions

Conversions Part 1

Format	Color
Hex	49A923
RGB	73, 169, 35
RGB Percent	29%, 66%, 14%
CMY	0.7137, 0.3372, 0.8627
CMYK	0.57, 0.00, 0.79, 0.34
HSL	103°, 66%, 40%
HSV	103°, 79%, 66%
XYZ	17.2390, 29.9138, 6.4555
YIQ	125.0200, -14.2020, -62.0260

Conversions

Conversions Part 2

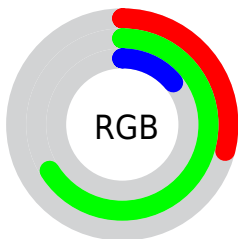
Format	Color
RYB	35, 169, 131
Decimal	4827427
CIELab	61.58, -51.37, 55.77
CIELCh	62, 75.824, 132.647
Yxy	29.9138, 0.3216, 0.5580
Android (android.graphics.Color)	4283017507 (0xFF49A923)
YUV	125.0200, -44.3799, -45.6215
Hunter-Lab	54.6935, -39.4517, 31.2874

Details


The XYZ color **17.2390, 29.9138, 6.4555** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **17.1247, 8.8933, 38.3518**, and the grayscale version is **19.6488, 20.6720, 22.5118**.

A 20% lighter version of the original color is **38.1736, 59.4311, 19.3569**, and **6.2454, 12.4908, 2.0818** is the 20% darker color. If you saturate the color by 10%, you get **16.2164, 29.4099, 5.3988**, and if you desaturate by 10%, it is **18.5625, 30.5607, 8.1583**.

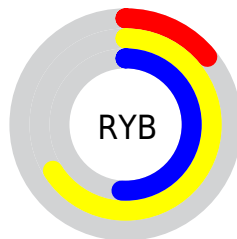
Distribution



 Red (29%)

 Green (66%)

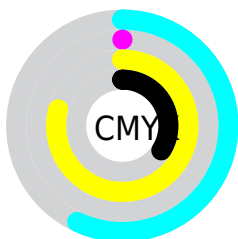
 Blue (14%)




 Red (14%)

 Yellow (66%)

 Blue (51%)

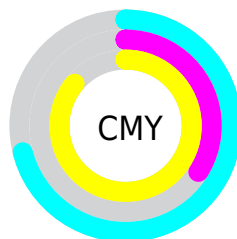



 Cyan (57%)

 Magenta (0%)

 Yellow (79%)

 Black (34%)



 Cyan (71%)

 Magenta (34%)

 Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2390, 29.9138, 6.4555 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 17.2390, 29.9138, 6.4555 by changing the saturation by 10% instead.

■ 17.2390, 29.9138,
6.4555

■ 17.2390, 29.9138,
6.4555

229.6754,
301.5024, 172.5149

■ 10.5014, 19.7732,
3.0507

■ 38.2766, 59.5258,
19.3630

■ 5.7974, 12.2303,
1.1206

■ 53.3073, 79.7660,
29.7028

■ 2.7618, 6.9007,
0.0000

■ 71.8330, 104.1415,
43.1914

■ 1.0291, 3.4001,
0.0000

■ 94.2192, 133.0367,
60.2473

■ 0.0000, 1.3440,
0.0000

■ 120.8312,
166.8360, 81.2891

■ 0.0000, 0.1749,
0.0000

■ 152.0343,

■ 0.0000, 0.0000,

205.9238, 106.7353

0.0000

188.1939,
250.6845, 137.0044

■ 17.2390, 29.9138,
6.4555

■ 17.2390, 29.9138,
6.4555

■ 16.2164, 29.4099,
5.3988

■ 18.5625, 30.5607,
8.1583

■ 15.4514, 29.0275,
4.8231

■ 20.2097, 31.3578,
10.5864

■ 15.4037, 29.0036,
4.7864

■ 22.2033, 32.3163,
13.8098

■ 24.5632, 33.4450,
17.8899

■ 27.3076, 34.7522,
22.8818

■ 30.4536, 36.2454,
28.8360

■ 34.0171, 37.9320,
35.7996

■ 38.0130, 39.8187,
43.8163

■ 42.4557, 41.9119,
52.9273

Harmonies

Analogous

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



24.4045, 29.9138, 2.9068



17.2390, 29.9138, 6.4555



13.6788, 29.9138, 18.6859

Triad

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



17.2390, 29.9138, 6.4555



23.0449, 29.9138, 119.2057



51.7869, 29.9138, 21.8867

Complementary

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



17.2390, 29.9138, 6.4555



17.1247, 8.8933, 38.3518

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.



51.1762, 29.9138, 52.0428



17.2390, 29.9138, 6.4555



32.8803, 29.9138, 122.0237

Square

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



17.2390, 29.9138, 6.4555



16.4469, 29.9138, 86.3531



43.6510, 29.9138, 92.6623



45.1628, 29.9138, 7.6118

Rectangle

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



17.2390, 29.9138, 6.4555



13.1577, 29.9138, 35.1963



43.6510, 29.9138, 92.6623



52.4589, 29.9138, 30.0797

Sweetspot

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



17.2397, 29.9151, 6.4562



51.5492, 63.4928, 45.9369



24.4909, 24.2058, 4.9720



10.8262, 13.6443, 9.2429



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.2397, 29.9151, 6.4562



27.9984, 52.1472, 8.9053



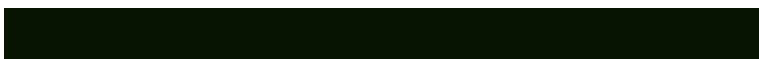
15.7461, 29.0803, 9.3127



7.6291, 8.5069, 8.0292



11.5264, 21.6393, 3.5693



0.3297, 0.5519, 0.0891

Inverse Universe

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



17.1247, 8.8933, 38.3518



27.4881, 12.8661, 68.2597



21.8620, 11.5970, 26.7578



7.6315, 7.5582, 9.4750



11.2771, 5.1970, 28.3842



0.3207, 0.1503, 0.6928

Previews

White Background



This preview shows how the XYZ color 17.2390, 29.9138, 6.4555 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 17.2390, 29.9138, 6.4555 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 17.2390, 29.9138, 6.4555

Background



This preview shows how black text looks on a background with the XYZ color 17.2390, 29.9138, 6.4555.



This preview shows how white text looks on a background with the XYZ color 17.2390, 29.9138,

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

17.2390, 29.9138, 6.4555

Protanopia

26.5501, 29.3805, 5.5000

Deuteranopia

29.9400, 29.2922, 6.9817



Tritanopia

24.3497, 29.6129, 42.4627

Trichromacy



Original Color

17.2390, 29.9138, 6.4555

Protanomaly

21.6649, 28.7868, 5.7810

Deuteranomaly

23.0228, 28.2444, 6.6211

Tritanomaly

20.3159, 28.9941, 22.6148

Monochromacy



Original Color

17.2390, 29.9138, 6.4555

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

17.4005, 22.8866, 13.6257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2390, 29.9138, 6.4555 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(73, 169, 35)` looks like.

```
.text, #text, p{  
    color:rgb(73, 169, 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(73, 169, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 169, 35) }
```

Border

The CSS property to change the border of an element to XYZ 17.2390, 29.9138, 6.4555 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(73, 169, 35) }
```


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

```
.border{ border-color:rgb(73, 169, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 169, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 169, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 169, 35);  
box-shadow:4px 4px 4px 4px rgb(73, 169,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2390, 29.9138, 6.4555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 169, 35) }
```

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

```
.background{ background-color: rgb(73, 169,  
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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