

Converting Colors

XYZ(16.2278, 29.9544, 6.3216)

Have a look what the booklet for
XYZ(16.2278, 29.9544, 6.3216)
contains.

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Color

**XYZ(16.2398, 29.9602,
6.2935)**

Conversions

Conversions Part 1

Format	Color
Hex	34AB20
RGB	52, 171, 32
RGB Percent	20%, 67%, 13%
CMY	0.7961, 0.3294, 0.8745
CMYK	0.70, 0.00, 0.81, 0.33
HSL	111°, 68%, 40%
HSV	111°, 81%, 67%
XYZ	16.2398, 29.9602, 6.2935
YIQ	119.5730, -26.3050, -68.4570

Conversions

Conversions Part 2

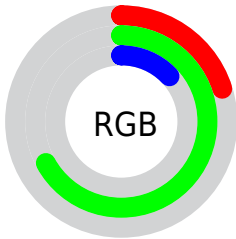
Format	Color
R_{YB}	32, 171, 151
Decimal	3451680
CIE _{Lab}	61.62, -57.12, 56.50
CIE _{LCh}	62, 80.341, 135.313
Yxy	29.9602, 0.3094, 0.5707
Android (android.graphics.Color)	4281641760 (0xFF34AB20)
YUV	119.5730, -43.1735, -59.2615
Hunter-Lab	54.7359, -42.8280, 31.4980

Details

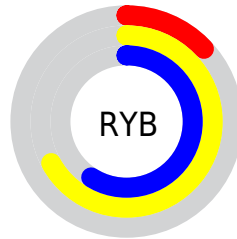
The XYZ color **16.2398, 29.9602, 6.2935** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.6322, 10.5541, 39.4795**, and the grayscale version is **17.8564, 18.7863, 20.4583**.

A 20% lighter version of the original color is **36.4747, 59.3724, 18.9888**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **15.4250, 29.5613, 5.3414**, and if you desaturate by 10%, it is **17.4103, 30.5304, 7.8929**.

Distribution



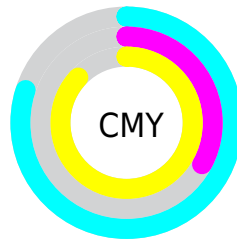
- Red (20%)
- Green (67%)
- Blue (13%)



- Red (13%)
- Yellow (67%)
- Blue (59%)



- Cyan (70%)
- Magenta (0%)
- Yellow (81%)
- Black (33%)





- Cyan (80%)
- Magenta (33%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2398, 29.9602, 6.2935 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 16.2398, 29.9602, 6.2935 by changing the saturation by 10% instead.


 16.2398, 29.9602,
6.2935


 16.2398, 29.9602,
6.2935


223.9953,
301.7189, 171.0587


 9.7859, 19.8084,
2.9527


 36.5681, 59.5992,
19.0252


 5.3184, 12.2558,
1.0705


 51.1732, 79.8552,
29.2532


 2.4719, 6.9182,
0.0000


 69.2262, 104.2481,
42.6139

 0.8811, 3.4110,
0.0000

 91.0923, 133.1622,
59.5260

 0.0000, 1.3499,
0.0000

 117.1369,
166.9819, 80.4080

 0.0000, 0.1793,
0.0000

 147.7253,

 0.0000, 0.0000,

206.0917, 105.6785

0.0000

183.2230,
250.8759, 135.7558

■ 16.2398, 29.9602,
6.2935

■ 16.2398, 29.9602,
6.2935

■ 15.4250, 29.5613,
5.3414

■ 17.4103, 30.5304,
7.8929

■ 14.9546, 29.3287,
4.8728

■ 18.9705, 31.2847,
10.2251

■ 20.9524, 32.2389,
13.3645

■ 23.3842, 33.4063,
17.3760

■ 26.2915, 34.7987,
22.3179

■ 29.6981, 36.4272,
28.2435

■ 33.6261, 38.3022,
35.2018

■ 38.0961, 40.4334,
43.2390

■ 43.1280, 42.8299,
52.3981

Harmonies

Analogous

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



23.3950, 29.9602, 2.4338



16.2398, 29.9602, 6.2935



12.8849, 29.9602, 19.8779

Triad

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



16.2398, 29.9602, 6.2935



23.5853, 29.9602, 128.8446



53.1986, 29.9602, 19.4359

Complementary

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



16.2398, 29.9602, 6.2935



20.6322, 10.5541, 39.4795

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.



53.2866, 29.9602, 49.8999



16.2398, 29.9602, 6.2935



34.2447, 29.9602, 128.4303

Square

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



16.2398, 29.9602, 6.2935



16.3489, 29.9602, 94.7552



45.6927, 29.9602, 93.8349



45.4760, 29.9602, 6.1433

Rectangle

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



16.2398, 29.9602, 6.2935



12.5448, 29.9602, 38.3694



45.6927, 29.9602, 93.8349



54.1756, 29.9602, 27.4785

Sweetspot

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



16.2405, 29.9615, 6.2942



51.1703, 64.2737, 47.0516



27.9870, 30.6245, 5.8030



10.9386, 14.1074, 9.6706



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.



16.2405, 29.9615, 6.2942



26.8232, 52.5425, 8.8554



16.6317, 30.0232, 12.6355



8.0077, 8.9926, 8.5271



11.3013, 22.1231, 3.6745



0.3467, 0.6321, 0.1037

Inverse Universe

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



20.6322, 10.5541, 39.4795



34.5928, 16.3839, 70.3411



20.8469, 11.1056, 19.5726



8.2222, 8.0888, 10.0806



14.5657, 6.8688, 29.6026



0.4356, 0.2067, 0.8249

Previews

White Background



This preview shows how the XYZ color 16.2398, 29.9602, 6.2935 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 16.2398, 29.9602, 6.2935 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 16.2398, 29.9602, 6.2935

Background



This preview shows how black text looks on a background with the XYZ color 16.2398, 29.9602, 6.2935.



This preview shows how white text looks on a background with the XYZ color 16.2398, 29.9602,

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

16.2398, 29.9602, 6.2935

Protanopia

26.5022, 29.3614, 5.2478

Deuteranopia

29.8988, 29.2757, 6.7643



Tritanopia

23.6823, 29.7533, 43.5245

Trichromacy



Original Color

16.2398, 29.9602, 6.2935



Protanomaly

20.5555, 28.2207, 5.4624



Deuteranomaly

21.8011, 27.6187, 6.3724



Tritanomaly

19.3724, 29.0307, 22.6716

Monochromacy



Original Color

16.2398, 29.9602, 6.2935



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.7134, 21.6027, 12.5741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2398, 29.9602, 6.2935 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(52, 171, 32)` looks like.

```
.text, #text, p{  
    color:rgb(52, 171, 32)  
}
```

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(52, 171, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 171, 32) }
```

Border

The CSS property to change the border of an element to XYZ 16.2398, 29.9602, 6.2935 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(52, 171, 32) }
```


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

```
.border{ border-color:rgb(52, 171, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 171, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 171, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 171, 32);  
box-shadow:4px 4px 4px 4px rgb(52, 171,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2398, 29.9602, 6.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 171, 32) }
```

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

```
.background{ background-color: rgb(52, 171,  
32) }
```

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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