

Converting Colors

XYZ(16.1963, 29.6998, 12.3444)

Have a look what the booklet for
XYZ(16.1963, 29.6998, 12.3444)
contains.

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Color

**XYZ(16.2627, 29.8391,
12.2995)**

Conversions

Conversions Part 1

Format	Color
Hex	14AB4F
RGB	20, 171, 79
RGB Percent	8%, 67%, 31%
CMY	0.9216, 0.3294, 0.6902
CMYK	0.88, 0.00, 0.54, 0.33
HSL	143°, 79%, 37%
HSV	143°, 88%, 67%
XYZ	16.2627, 29.8391, 12.2995
YIQ	115.3630, -60.4640, -60.6240

Conversions

Conversions Part 2

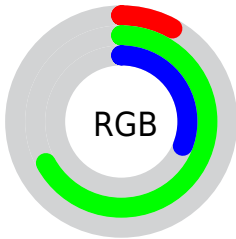
Format	Color
R_{YB}	20, 129, 171
Decimal	1354575
CIE _{Lab}	61.52, -56.54, 36.97
CIE _{LCh}	62, 67.550, 146.822
Yxy	29.8391, 0.2785, 0.5109
Android (android.graphics.Color)	4279544655 (0xFF14AB4F)
YUV	115.3630, -17.9270, -83.6334
Hunter-Lab	54.6252, -42.4520, 24.8878

Details

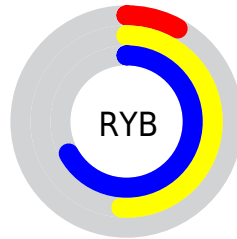
The XYZ color **16.2627, 29.8391, 12.2995** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **19.9704, 10.3287, 16.2715**, and the grayscale version is **16.4728, 17.3307, 18.8731**.

A 20% lighter version of the original color is **36.7024, 59.6399, 30.6963**, and **6.5956, 12.8163, 3.3545** is the 20% darker color. If you saturate the color by 10%, you get **15.6611, 29.5703, 10.4449**, and if you desaturate by 10%, it is **17.1511, 30.2506, 14.4792**.

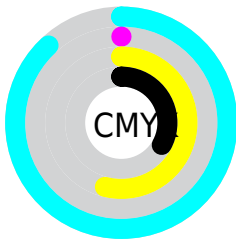
Distribution



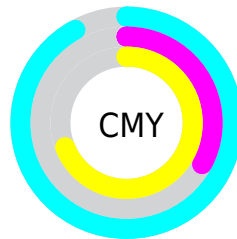
- Red (8%)
- Green (67%)
- Blue (31%)



- Red (8%)
- Yellow (51%)
- Blue (67%)



- Cyan (88%)
- Magenta (0%)
- Yellow (54%)
- Black (33%)




- Cyan (92%)
- Magenta (33%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2627, 29.8391, 12.2995 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 16.2627, 29.8391, 12.2995 by changing the saturation by 10% instead.


 16.2627, 29.8391,
12.2995


 16.2627, 29.8391,
12.2995


224.1269,
301.1537, 217.4259


 9.8023, 19.7165,
6.8230


 36.6074, 59.4076,
30.7119


 5.3293, 12.1891,
3.2749


 51.2225, 79.6223,
44.4849


 2.4785, 6.8726,
1.2366


 69.2864, 103.9699,
61.8605

 0.8844, 3.3826,
0.0090

 91.1645, 132.8346,
83.2572

 0.0000, 1.3346,
0.0000

 117.2223,
166.6010, 109.0935

 0.0000, 0.1677,
0.0000

 147.8251,

 0.0000, 0.0000,

205.6534, 139.7881

0.0000

183.3382,
250.3762, 175.7594

■ 16.2627, 29.8391,
12.2995

■ 16.2627, 29.8391,
12.2995

■ 15.6611, 29.5703,
10.4449

■ 17.1511, 30.2506,
14.4792

■ 15.5711, 29.5300,
10.1603

■ 18.3883, 30.8339,
16.9984

■ 20.0130, 31.6096,
19.8723

■ 22.0579, 32.5941,
23.1144

■ 24.5520, 33.8023,
26.7375

■ 27.5217, 35.2474,
30.7537

■ 30.9913, 36.9418,
35.1746

■ 34.9833, 38.8968,
40.0112

■ 39.5190, 41.1232,
45.2743

Harmonies

Analogous

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



21.2860, 29.8391, 5.3744



16.2627, 29.8391, 12.2995



14.4197, 29.8391, 29.8342

Triad

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



16.2627, 29.8391, 12.2995



27.4181, 29.8391, 110.6770



46.6484, 29.8391, 14.9451

Complementary

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



16.2627, 29.8391, 12.2995



19.9704, 10.3287, 16.2715

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.



49.2366, 29.8391, 35.2983



16.2627, 29.8391, 12.2995



36.8524, 29.8391, 99.2656

Square

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



16.2627, 29.8391, 12.2995



19.9507, 29.8391, 93.6248



45.3321, 29.8391, 67.5938



38.8546, 29.8391, 6.2402

Rectangle

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



16.2627, 29.8391, 12.2995



14.8765, 29.8391, 48.9335



45.3321, 29.8391, 67.5938



48.2187, 29.8391, 20.2166

Sweetspot

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



16.2634, 29.8403, 12.3002



50.3644, 63.6487, 56.4799



21.5153, 32.6962, 5.8390



10.7993, 13.9832, 12.0292



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.



16.2634, 29.8403, 12.3002



27.7888, 52.8458, 17.6845



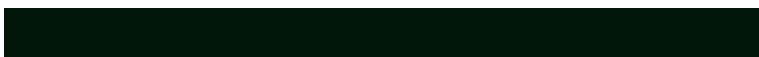
20.6338, 31.5885, 35.3143



8.0292, 8.9892, 9.1788



11.7621, 22.2701, 7.7870



0.3545, 0.6305, 0.3605

Inverse Universe

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



19.9704, 10.3287, 16.2715



34.4633, 17.2599, 24.4989



17.3892, 9.2962, 2.6796



8.2025, 8.0942, 9.3770



14.5778, 7.2937, 10.6883



0.4314, 0.2132, 0.4333

Previews

White Background



This preview shows how the XYZ color 16.2627, 29.8391, 12.2995 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 16.2627, 29.8391, 12.2995 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 16.2627, 29.8391, 12.2995

Background



This preview shows how black text looks on a background with the XYZ color 16.2627, 29.8391, 12.2995.



This preview shows how white text looks on a background with the XYZ color 16.2627, 29.8391,

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

16.2627, 29.8391, 12.2995

Protanopia

26.8315, 29.4213, 10.2259

Deuteranopia

29.8356, 29.3216, 13.1040



Tritanopia

22.8391, 29.8109, 44.5947

Trichromacy



Original Color

16.2627, 29.8391, 12.2995



Protanomaly

19.6800, 27.6509, 10.7785



Deuteranomaly

20.7136, 27.1615, 12.5385



Tritanomaly

19.4806, 29.4782, 29.0892

Monochromacy



Original Color

16.2627, 29.8391, 12.2995



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.3705, 19.9927, 15.6719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2627, 29.8391, 12.2995 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(20, 171, 79)` looks like.

```
.text, #text, p{  
    color:rgb(20, 171, 79)  
}
```

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(20, 171, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 171, 79) }
```

Border

The CSS property to change the border of an element to XYZ 16.2627, 29.8391, 12.2995 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(20, 171, 79) }
```


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

```
.border{ border-color:rgb(20, 171, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 171, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 171, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 171, 79);  
box-shadow:4px 4px 4px 4px rgb(20, 171,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2627, 29.8391, 12.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 171, 79) }
```

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

```
.background{ background-color: rgb(20, 171,  
79) }
```

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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