

Converting Colors

XYZ(30.2699, 16.4865, 3.2225)

Have a look what the booklet for
XYZ(30.2699, 16.4865, 3.2225)
contains.

XYZ(30.1627, 16.4492, 3.2543)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.1627, 16.4492,
3.2543)**

Conversions

Conversions Part 1

Format	Color
Hex	DB2424
RGB	219, 36, 36
RGB Percent	86%, 14%, 14%
CMY	0.1412, 0.8587, 0.8588
CMYK	0.00, 0.84, 0.84, 0.14
HSL	0°, 72%, 50%
HSV	0°, 84%, 86%
XYZ	30.1627, 16.4492, 3.2543
YIQ	90.7170, 109.0680, 38.7960

Conversions

Conversions Part 2

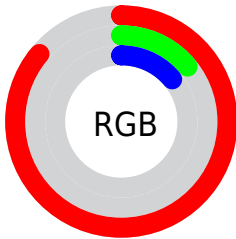
Format	Color
R _Y B	219, 36, 36
Decimal	14361636
CIE Lab	47.56, 67.09, 47.52
CIE LCh	48, 82.211, 35.309
Yxy	16.4492, 0.6049, 0.3299
Android (android.graphics.Color)	4292551716 (0xFFDB2424)
YUV	90.7170, -26.9755, 112.5042
Hunter-Lab	40.5576, 61.7746, 23.6330

Details

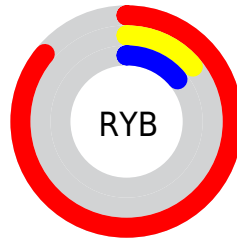
The XYZ color **30.1627, 16.4492, 3.2543** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **38.8400, 56.1422, 75.8067**, and the grayscale version is **9.9236, 10.4404, 11.3696**.

A 20% lighter version of the original color is **47.5527, 31.3873, 11.7357**, and **13.5176, 6.9686, 0.6326** is the 20% darker color. If you saturate the color by 10%, you get **29.4518, 15.4093, 1.8410**, and if you desaturate by 10%, it is **31.4832, 18.3821, 5.8784**.

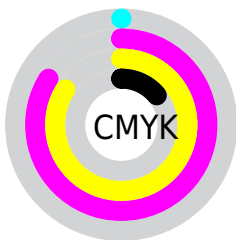
Distribution



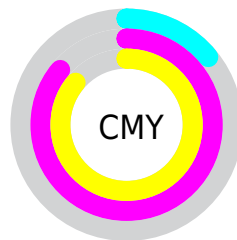
- Red (86%)
- Green (14%)
- Blue (14%)



- Red (86%)
- Yellow (14%)
- Blue (14%)



- Cyan (0%)
- Magenta (84%)
- Yellow (84%)
- Black (14%)





- Cyan (14%)
- Magenta (86%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1627, 16.4492, 3.2543 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 30.1627, 16.4492, 3.2543 by changing the saturation by 10% instead.

 30.1627, 16.4492,
3.2543


 30.1627, 16.4492,
3.2543


294.5583,
231.9780, 139.5364


 20.1108, 9.8426,
1.2259


 59.3042, 37.3763,
12.2497


 12.5843, 5.2947,
0.0000


 79.1246, 52.4656,
20.0539

 7.2180, 2.4212,
0.0000


 102.9318, 71.1512,
30.6203

 3.6463, 0.8368,
0.0000

 131.0913, 93.8175,
44.3676

 1.5041, 0.0000,
0.0000

 163.9683,
120.8489, 61.7144


 0.3286, 0.0000,
0.0000


 201.9282,


 0.0000, 0.0000,


152.6299, 83.0790


0.0000


 245.3365,
189.5448, 108.8802


 30.1627, 16.4492,
3.2543


 30.1627, 16.4492,
3.2543


 29.4518, 15.4093,
1.8410

 31.4832, 18.3821,
5.8784

 29.2134, 15.0604,
1.3672


 33.5088, 21.3464,
9.9049


 36.3197, 25.4596,
15.4924


 39.9848, 30.8228,
22.7784

 44.5657, 37.5260,
31.8850

 50.1183, 45.6509,
42.9233

 56.6938, 55.2727,
55.9955

 64.3402, 66.4613,
71.1965

 73.1020, 79.2822,
88.6154

Harmonies

Analogous

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



34.2537, 16.4492, 14.4338



30.1627, 16.4492, 3.2543



22.2819, 16.4492, 0.5106

Triad

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



30.1627, 16.4492, 3.2543



6.0161, 16.4492, 5.7975



16.9732, 16.4492, 95.4946

Complementary

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



30.1627, 16.4492, 3.2543



38.8400, 56.1422, 75.8067

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.



10.4611, 16.4492, 85.1704



30.1627, 16.4492, 3.2543



5.3903, 16.4492, 21.9047

Square

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



30.1627, 16.4492, 3.2543



8.8288, 16.4492, 1.0445



6.7317, 16.4492, 52.7710



25.2621, 16.4492, 75.0534

Rectangle

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



30.1627, 16.4492, 3.2543



16.8141, 16.4492, 0.0043



6.7317, 16.4492, 52.7710



14.5113, 16.4492, 95.6102

Sweetspot

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



30.1631, 16.4502, 3.2545



69.3583, 62.4062, 57.8246



42.6301, 21.4361, 68.9080



14.2343, 12.4631, 11.1617



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



30.1631, 16.4502, 3.2545



41.2403, 21.2606, 1.9301



37.1857, 30.4955, 5.5954



13.0562, 13.0517, 13.5567



17.3224, 8.9303, 0.8107



1.1223, 0.5786, 0.0525

Inverse Universe

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



38.8400, 56.1422, 75.8067



53.8016, 78.7232, 106.9672



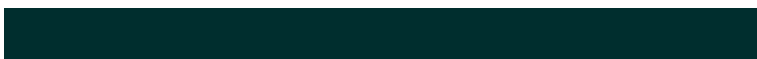
21.1677, 20.7976, 69.9159



13.4448, 14.8294, 16.8059



22.5985, 33.0665, 44.9298



1.4641, 2.1423, 2.9108

Previews

White Background



This preview shows how the XYZ color 30.1627, 16.4492, 3.2543 looks on a white 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

Black Background



This preview shows how the XYZ color 30.1627, 16.4492, 3.2543 looks on a black 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

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

XYZ 30.1627, 16.4492, 3.2543

Background



This preview shows how black text looks on a background with the XYZ color 30.1627, 16.4492, 3.2543.



This preview shows how white text looks on a background with the XYZ color 30.1627, 16.4492,

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

30.1627, 16.4492, 3.2543

Protanopia

15.3111, 16.7461, 6.0398

Deuteranopia

16.9305, 16.6810, 2.6752



Tritanopia

30.1330, 16.4373, 3.0979

Trichromacy



Original Color

30.1627, 16.4492, 3.2543

Protanomaly

18.3585, 14.3426, 4.5971

Deuteranomaly

19.9472, 14.7467, 2.5045

Tritanomaly

30.1477, 16.4432, 3.1750

Monochromacy



Original Color

30.1627, 16.4492, 3.2543

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

13.8718, 10.3647, 7.2307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1627, 16.4492, 3.2543 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(219, 36, 36)` looks like.

```
.text, #text, p{  
    color:rgb(219, 36, 36)  
}
```

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(219, 36, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 36, 36) }
```

Border

The CSS property to change the border of an element to XYZ 30.1627, 16.4492, 3.2543 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(219, 36, 36) }
```


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

```
.border{ border-color:rgb(219, 36, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 36, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 36, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 36, 36);  
box-shadow:4px 4px 4px 4px rgb(219, 36,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1627, 16.4492, 3.2543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 36, 36) }
```

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

```
.background{ background-color: rgb(219, 36,  
36) }
```

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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