

Converting Colors

XYZ(31.4732, 17.0641, 3.1894)

Have a look what the booklet for
XYZ(31.4732, 17.0641, 3.1894)
contains.

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Color

**XYZ(31.6449, 17.1707,
3.2365)**

Conversions

Conversions Part 1

Format	Color
Hex	E02323
RGB	224, 35, 35
RGB Percent	88%, 14%, 14%
CMY	0.1216, 0.8627, 0.8627
CMYK	0.00, 0.84, 0.84, 0.12
HSL	0°, 75%, 51%
HSV	0°, 84%, 88%
XYZ	31.6449, 17.1707, 3.2365
YIQ	91.5110, 112.6440, 40.0680

Conversions

Conversions Part 2

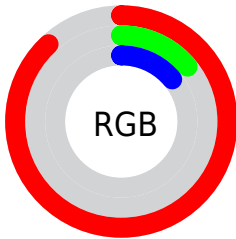
Format	Color
R_{YB}	224, 35, 35
Decimal	14689059
CIE _{Lab}	48.47, 68.64, 49.21
CIE _{LCh}	48, 84.455, 35.638
Yxy	17.1707, 0.6079, 0.3299
Android (android.graphics.Color)	4292879139 (0xFFE02323)
YUV	91.5110, -27.8599, 116.1929
Hunter-Lab	41.4375, 63.8006, 24.3754

Details

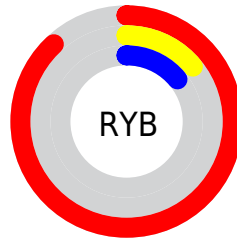
The XYZ color **31.6449, 17.1707, 3.2365** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **40.7979, 59.0397, 79.7661**, and the grayscale version is **10.1063, 10.6326, 11.5789**.

A 20% lighter version of the original color is **47.5144, 31.3719, 11.5337**, and **14.2981, 7.3709, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **30.9495, 16.1535, 1.8541**, and if you desaturate by 10%, it is **32.9727, 19.1143, 5.8751**.

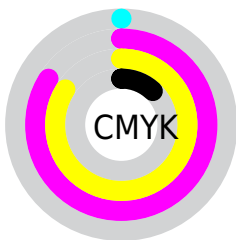
Distribution



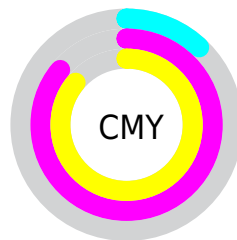
- Red (88%)
- Green (14%)
- Blue (14%)



- Red (88%)
- Yellow (14%)
- Blue (14%)



- Cyan (0%)
- Magenta (84%)
- Yellow (84%)
- Black (12%)





- Cyan (12%)
- Magenta (86%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6449, 17.1707, 3.2365 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 31.6449, 17.1707, 3.2365 by changing the saturation by 10% instead.


 31.6449, 17.1707,
3.2365


 31.6449, 17.1707,
3.2365


301.2726,
236.1542, 139.3180


 21.2446, 10.3563,
1.2166


 61.6229, 38.6190,
12.2066


 13.4164, 5.6358,
0.0000


 81.9315, 54.0217,
19.9940

 7.7949, 2.6249,
0.0000


 106.2734, 73.0560,
30.5409

 4.0147, 0.9392,
0.0000

 135.0142, 96.1062,
44.2660

 1.7104, 0.0000,
0.0000

 168.5191,
123.5567, 61.5876


 0.4628, 0.0000,
0.0000


 207.1536,


 0.0000, 0.0000,


155.7919, 82.9245


0.0000


 251.2830,
193.1963, 108.6951


 31.6449, 17.1707,
3.2365


 31.6449, 17.1707,
3.2365

 30.9495, 16.1535,
1.8541

 32.9727, 19.1143,
5.8751


 30.7405, 15.8477,
1.4387


 35.0360, 22.1337,
9.9764

 37.9208, 26.3551,
15.7109


 41.7008, 31.8864,
23.2252

 46.4417, 38.8237,
32.6498

 52.2029, 47.2539,
44.1029

 59.0390, 57.2571,
57.6931

 67.0009, 68.9074,
73.5215

 76.1360, 82.2745,
91.6824

Harmonies

Analogous

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



36.0566, 17.1707, 14.8141



31.6449, 17.1707, 3.2365



23.2592, 17.1707, 0.4644

Triad

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



31.6449, 17.1707, 3.2365



6.1721, 17.1707, 6.0518



17.8262, 17.1707, 101.2436

Complementary

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



31.6449, 17.1707, 3.2365



40.7979, 59.0397, 79.7661

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.



10.9200, 17.1707, 90.5772



31.6449, 17.1707, 3.2365



5.5399, 17.1707, 23.2028

Square

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



31.6449, 17.1707, 3.2365



9.0953, 17.1707, 1.0467



6.9686, 17.1707, 56.1375



26.6154, 17.1707, 79.1113

Rectangle

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



31.6449, 17.1707, 3.2365



17.4782, 17.1707, 0.0000



6.9686, 17.1707, 56.1375



15.2146, 17.1707, 101.4990

Sweetspot

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



31.6453, 17.1718, 3.2367



69.3583, 62.4062, 57.8246



44.7958, 22.4311, 72.4892



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.



31.6453, 17.1718, 3.2367



41.2403, 21.2606, 1.9301



38.9599, 31.8011, 5.6750



13.7074, 13.7008, 14.2288



17.8934, 9.2247, 0.8375



1.2403, 0.6395, 0.0581

Inverse Universe

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



40.7979, 59.0397, 79.7661



53.8017, 78.7234, 106.9672



22.0639, 21.5717, 73.5214



14.1165, 15.5721, 17.6494



23.3435, 34.1566, 46.4109



1.6181, 2.3676, 3.2170

Previews

White Background



This preview shows how the XYZ color 31.6449, 17.1707, 3.2365 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 31.6449, 17.1707, 3.2365 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 31.6449, 17.1707, 3.2365

Background



This preview shows how black text looks on a background with the XYZ color 31.6449, 17.1707, 3.2365.



This preview shows how white text looks on a background with the XYZ color 31.6449, 17.1707,

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

31.6449, 17.1707, 3.2365

Protanopia

15.9645, 17.4243, 6.0118

Deuteranopia

17.6086, 17.3549, 2.4218



Tritanopia

31.6160, 17.1592, 3.0845

Trichromacy



Original Color

31.6449, 17.1707, 3.2365

Protanomaly

19.2311, 14.9141, 4.5544

Deuteranomaly

20.8451, 15.3295, 2.2410

Tritanomaly

31.6302, 17.1649, 3.1594

Monochromacy



Original Color

31.6449, 17.1707, 3.2365

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

14.2058, 10.5369, 7.2463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6449, 17.1707, 3.2365 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(224, 35, 35)` looks like.

```
.text, #text, p{  
    color:rgb(224, 35, 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(224, 35, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 35, 35) }
```

Border

The CSS property to change the border of an element to XYZ 31.6449, 17.1707, 3.2365 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(224, 35, 35) }
```


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

```
.border{ border-color:rgb(224, 35, 35) }
```

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

Here you see how a box with a 4 pixel rgb(224, 35, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 35, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 35, 35);  
box-shadow:4px 4px 4px 4px rgb(224, 35,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6449, 17.1707, 3.2365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 35, 35) }
```

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

```
.background{ background-color: rgb(224, 35,  
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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