

Converting Colors

XYZ(30.7962, 16.3702, 3.0968)

Have a look what the booklet for
XYZ(30.7962, 16.3702, 3.0968)
contains.

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Color

**XYZ(30.7752, 16.3462,
3.1232)**

Conversions

Conversions Part 1

Format	Color
Hex	DE1923
RGB	222, 25, 35
RGB Percent	87%, 10%, 14%
CMY	0.1294, 0.9019, 0.8627
CMYK	0.00, 0.89, 0.84, 0.13
HSL	357°, 80%, 48%
HSV	357°, 89%, 87%
XYZ	30.7752, 16.3462, 3.1232
YIQ	85.0430, 114.2020, 44.8740

Conversions

Conversions Part 2

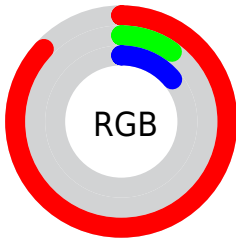
Format	Color
RYB	222, 25, 35
Decimal	14555427
CIELab	47.43, 69.95, 48.13
CIElCh	47, 84.913, 34.530
Yxy	16.3462, 0.6125, 0.3253
Android (android.graphics.Color)	4292745507 (0xFFDE1923)
YUV	85.0430, -24.6712, 120.1113
Hunter-Lab	40.4304, 65.1190, 23.7212

Details

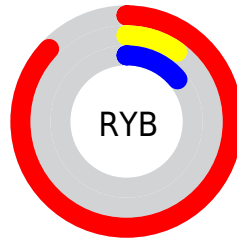
The XYZ color **30.7752, 16.3462, 3.1232** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **38.4095, 57.2039, 71.3213**, and the grayscale version is **8.6797, 9.1317, 9.9444**.

A 20% lighter version of the original color is **47.0377, 30.4186, 11.3749**, and **13.9046, 7.1681, 0.6507** is the 20% darker color. If you saturate the color by 10%, you get **30.2334, 15.6223, 1.8347**, and if you desaturate by 10%, it is **31.8652, 17.8669, 5.5204**.

Distribution



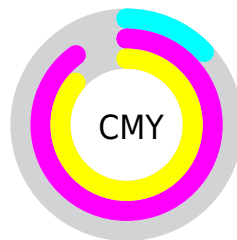
- Red (87%)
- Green (10%)
- Blue (14%)



- Red (87%)
- Yellow (10%)
- Blue (14%)



- Cyan (0%)
- Magenta (89%)
- Yellow (84%)
- Black (13%)





- Cyan (13%)
- Magenta (90%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7752, 16.3462, 3.1232 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 30.7752, 16.3462, 3.1232 by changing the saturation by 10% instead.


 30.7752, 16.3462,
3.1232


 30.7752, 16.3462,
3.1232


297.3467,
231.3760, 137.9146


 20.5787, 9.7695,
1.1579


 60.2642, 37.1982,
11.9310


 12.9271, 5.2464,
0.0000


 80.2875, 52.2422,
19.6105

 7.4550, 2.3925,
0.0000


 104.3170, 70.8775,
30.0318

 3.7971, 0.8220,
0.0000

 132.7182, 93.4884,
43.6135

 1.5880, 0.0000,
0.0000

 165.8565,
120.4593, 60.7741


 0.3846, 0.0000,
0.0000


 204.0970,


 0.0000, 0.0000,


152.1746, 81.9321


0.0000


 247.8053,
189.0187, 107.5061


 30.7752, 16.3462,
3.1232


 30.7752, 16.3462,
3.1232


 30.2334, 15.6223,
1.8347


 31.8652, 17.8669,
5.5204

 30.1858, 15.5542,
1.7353

 33.6234, 20.3764,
9.2103

 36.1342, 24.0054,
14.3408

 39.4698, 28.8642,
21.0396

 43.6935, 35.0499,
29.4204

■ 48.8627, 42.6498,
39.5861

■ 55.0299, 51.7438,
51.6315

■ 62.2437, 62.4058,
65.6449

■ 70.5496, 74.7049,
81.7087

Harmonies

Analogous

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



34.8980, 16.3462, 14.7204



30.7752, 16.3462, 3.1232



22.6308, 16.3462, 0.3571

Triad

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



30.7752, 16.3462, 3.1232



5.7890, 16.3462, 5.2595



16.7082, 16.3462, 99.3781

Complementary

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



30.7752, 16.3462, 3.1232



38.4095, 57.2039, 71.3213

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.



10.1054, 16.3462, 87.6017



30.7752, 16.3462, 3.1232



5.1121, 16.3462, 21.2777

Square

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



30.7752, 16.3462, 3.1232



8.6905, 16.3462, 0.8259



6.4015, 16.3462, 53.1615



25.2721, 16.3462, 78.4644

Rectangle

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



30.7752, 16.3462, 3.1232



16.9579, 16.3462, 0.0000



6.4015, 16.3462, 53.1615



14.1970, 16.3462, 99.1916

Sweetspot

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



30.7756, 16.3472, 3.1234



68.0851, 60.1429, 56.5273



39.7900, 19.5063, 70.7746



14.0044, 12.0358, 10.9848



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.



30.7756, 16.3472, 3.1234



41.3121, 21.2888, 2.3096



35.9169, 26.8341, 4.2077



13.7352, 13.7117, 14.3759



17.9420, 9.2438, 1.0944



1.2537, 0.6448, 0.1288

Inverse Universe

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



30.7756, 16.3472, 3.1234



41.3121, 21.2888, 2.3096



22.4815, 23.2713, 72.4136



13.7352, 13.7117, 14.3759



17.9420, 9.2438, 1.0944



1.2537, 0.6448, 0.1288

Previews

White Background



This preview shows how the XYZ color 30.7752, 16.3462, 3.1232 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 30.7752, 16.3462, 3.1232 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 30.7752, 16.3462, 3.1232

Background



This preview shows how black text looks on a background with the XYZ color 30.7752, 16.3462, 3.1232.



This preview shows how white text looks on a background with the XYZ color 30.7752, 16.3462,

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

30.7752, 16.3462, 3.1232

Protanopia

15.3111, 16.7461, 6.0398

Deuteranopia

16.8642, 16.6544, 2.3258



Tritanopia

30.6610, 16.3714, 2.3030

Trichromacy



Original Color

30.7752, 16.3462, 3.1232

Protanomaly

18.2487, 13.8251, 4.5030

Deuteranomaly

19.8103, 14.2485, 2.0869

Tritanomaly

30.6914, 16.3475, 2.5747

Monochromacy



Original Color

30.7752, 16.3462, 3.1232

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

12.7823, 9.1112, 6.3951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7752, 16.3462, 3.1232 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(222, 25, 35)` looks like.

```
.text, #text, p{  
    color:rgb(222, 25, 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(222, 25, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 25, 35) }
```

Border

The CSS property to change the border of an element to XYZ 30.7752, 16.3462, 3.1232 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(222, 25, 35) }
```


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

```
.border{ border-color:rgb(222, 25, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 25, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 25, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 25, 35);  
box-shadow:4px 4px 4px 4px rgb(222, 25,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7752, 16.3462, 3.1232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 25, 35) }
```

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

```
.background{ background-color: rgb(222, 25,  
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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