

Converting Colors

XYZ(30.1186, 16.4796, 7.2237)

Have a look what the booklet for
XYZ(30.1186, 16.4796, 7.2237)
contains.

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Color

**XYZ(30.1186, 16.4796,
7.2237)**

Conversions

Conversions Part 1

Format	Color
Hex	D82745
RGB	216, 39, 69
RGB Percent	85%, 15%, 27%
CMY	0.1529, 0.8470, 0.7294
CMYK	0.00, 0.82, 0.68, 0.15
HSL	350°, 69%, 50%
HSV	350°, 82%, 85%
XYZ	30.1186, 16.4796, 7.2237
YIQ	95.3430, 95.8620, 46.8540

Conversions

Conversions Part 2

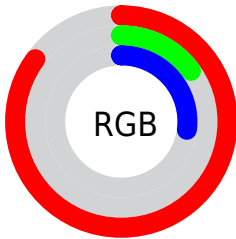
Format	Color
RYB	216, 39, 69
Decimal	14165829
CIELab	47.60, 66.75, 28.69
CIElCh	48, 72.656, 23.255
Yxy	16.4796, 0.5596, 0.3062
Android (android.graphics.Color)	4292355909 (0xFFD82745)
YUV	95.3430, -12.9871, 105.8162
Hunter-Lab	40.5951, 61.3927, 17.8662

Details

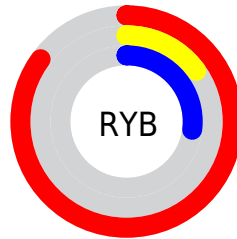
The XYZ color **30.1186, 16.4796, 7.2237** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **34.2575, 53.0889, 54.9042**, and the grayscale version is **10.9753, 11.5469, 12.5746**.

A 20% lighter version of the original color is **49.3011, 32.2449, 20.4550**, and **13.3233, 6.8469, 1.5966** is the 20% darker color. If you saturate the color by 10%, you get **29.1246, 15.2523, 4.5479**, and if you desaturate by 10%, it is **31.6849, 18.5826, 10.9210**.

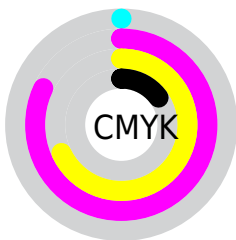
Distribution



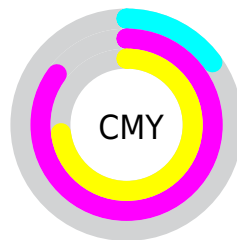
- Red (85%)
- Green (15%)
- Blue (27%)



- Red (85%)
- Yellow (15%)
- Blue (27%)



- Cyan (0%)
- Magenta (82%)
- Yellow (68%)
- Black (15%)





- Cyan (15%)
- Magenta (85%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1186, 16.4796, 7.2237 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 30.1186, 16.4796, 7.2237 by changing the saturation by 10% instead.


 30.1186, 16.4796,
7.2237


 30.1186, 16.4796,
7.2237


294.3568,
232.1553, 179.2106


 20.0771, 9.8642,
3.5218


 59.2350, 37.4288,
20.9423


 12.5597, 5.3090,
1.3669


 79.0407, 52.5314,
31.7962


 7.2010, 2.4297,
0.1157


 102.8318, 71.2318,
45.8711

 3.6356, 0.8411,
0.0000

 130.9738, 93.9145,
63.5856

 1.4981, 0.0000,
0.0000

 163.8319,
120.9638, 85.3583

 0.3245, 0.0000,
0.0000

 201.7715,

 0.0000, 0.0000,

152.7641, 111.6076

0.0000

245.1581,
189.6998, 142.7522

■ 30.1186, 16.4796,
7.2237

■ 30.1186, 16.4796,
7.2237

■ 29.1246, 15.2523,
4.5479

■ 31.6849, 18.5826,
10.9210


■ 28.6463, 14.7299,
3.0504


■ 33.8960, 21.6835,
15.7315


■ 36.8145, 25.8880,
21.7370

■ 40.4951, 31.2875,
29.0115

■ 44.9871, 37.9640,
37.6226

 50.3356, 45.9920,
47.6332

 56.5822, 55.4405,
59.1022

 63.7660, 66.3735,
72.0852

 71.9237, 78.8514,
86.6346

Harmonies

Analogous

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



31.5727, 16.4796, 22.4674



30.1186, 16.4796, 7.2237



24.3583, 16.4796, 1.8516

Triad

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



30.1186, 16.4796, 7.2237



7.6530, 16.4796, 3.9457



14.2456, 16.4796, 81.7861

Complementary

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



30.1186, 16.4796, 7.2237



34.2575, 53.0889, 54.9042

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.



9.3314, 16.4796, 64.3861



30.1186, 16.4796, 7.2237



6.2649, 16.4796, 14.0716

Square

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



30.1186, 16.4796, 7.2237



11.2427, 16.4796, 1.0744



6.7810, 16.4796, 36.0317



21.1132, 16.4796, 74.7130

Rectangle

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



30.1186, 16.4796, 7.2237



19.5327, 16.4796, 0.8732



6.7810, 16.4796, 36.0317



12.3421, 16.4796, 78.3560

Sweetspot

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



30.1190, 16.4806, 7.2239



70.5920, 62.8974, 64.3283



32.7808, 16.5451, 66.4312



14.5192, 12.5765, 12.6636



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.



30.1190, 16.4806, 7.2239



41.8173, 21.5795, 4.6972



32.7829, 22.9408, 4.6210



12.5083, 12.4548, 13.3507



16.9830, 8.7295, 1.9487



1.0512, 0.5373, 0.2592

Inverse Universe

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



30.1190, 16.4806, 7.2239



41.8173, 21.5795, 4.6972



25.7948, 30.5154, 69.4959



12.5083, 12.4548, 13.3507



16.9830, 8.7295, 1.9487



1.0512, 0.5373, 0.2592

Previews

White Background



This preview shows how the XYZ color 30.1186, 16.4796, 7.2237 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 30.1186, 16.4796, 7.2237 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 30.1186, 16.4796, 7.2237

Background



This preview shows how black text looks on a background with the XYZ color 30.1186, 16.4796, 7.2237.



This preview shows how white text looks on a background with the XYZ color 30.1186, 16.4796,

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

30.1186, 16.4796, 7.2237

Protanopia

15.8085, 16.6664, 13.6930

Deuteranopia

16.9672, 16.6163, 6.4507



Tritanopia

29.3987, 16.4379, 4.1060

Trichromacy



Original Color

30.1186, 16.4796, 7.2237

Protanomaly

18.5657, 14.3123, 10.8008

Deuteranomaly

20.1389, 14.8702, 6.5114

Tritanomaly

29.5182, 16.3693, 5.0938

Monochromacy



Original Color

30.1186, 16.4796, 7.2237

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

14.8433, 11.1930, 10.1822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1186, 16.4796, 7.2237 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(216, 39, 69)` looks like.

```
.text, #text, p{  
    color:rgb(216, 39, 69)  
}
```

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(216, 39, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 39, 69) }
```

Border

The CSS property to change the border of an element to XYZ 30.1186, 16.4796, 7.2237 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(216, 39, 69) }
```


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

```
.border{ border-color:rgb(216, 39, 69) }
```

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

Here you see how a box with a 4 pixel rgb(216, 39, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 39, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 39, 69);  
box-shadow:4px 4px 4px 4px rgb(216, 39,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1186, 16.4796, 7.2237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 39, 69) }
```

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

```
.background{ background-color: rgb(216, 39,  
69) }
```

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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