

Converting Colors

XYZ(31.2817, 15.8978, 11.7870)

Have a look what the booklet for
XYZ(31.2817, 15.8978, 11.7870)
contains.

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Color

**XYZ(31.1892, 15.8504,
11.7715)**

Conversions

Conversions Part 1

Format	Color
Hex	DB005D
RGB	219, 0, 93
RGB Percent	86%, 0%, 36%
CMY	0.1412, 0.9998, 0.6353
CMYK	0.00, 1.00, 0.58, 0.14
HSL	335°, 100%, 43%
HSV	335°, 100%, 86%
XYZ	31.1892, 15.8504, 11.7715
YIQ	76.0830, 100.6710, 75.3510

Conversions

Conversions Part 2

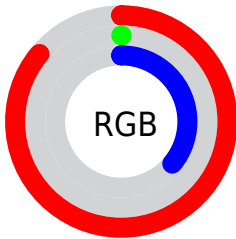
Format	Color
R_{YB}	219, 0, 93
Decimal	14352477
CIE Lab	46.78, 74.28, 12.96
CIE LCh	47, 75.402, 9.897
Yxy	15.8504, 0.5303, 0.2695
Android (android.graphics.Color)	4292542557 (0xFFDB005D)
YUV	76.0830, 8.3401, 125.3382
Hunter-Lab	39.8126, 70.1651, 10.3383

Details

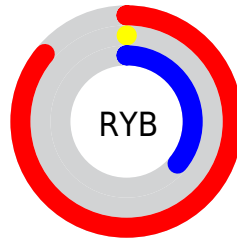
The XYZ color **31.1892, 15.8504, 11.7715** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **29.1010, 52.1707, 28.2911**, and the grayscale version is **6.8619, 7.2192, 7.8617**.

A 20% lighter version of the original color is **49.9390, 30.7253, 29.2851**, and **14.2438, 7.2813, 3.4510** is the 20% darker color. If you saturate the color by 10%, you get **31.1878, 15.8498, 11.7650**, and if you desaturate by 10%, it is **32.0801, 16.6642, 15.0534**.

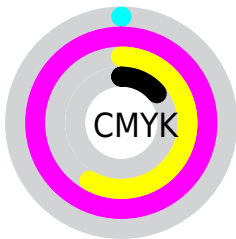
Distribution



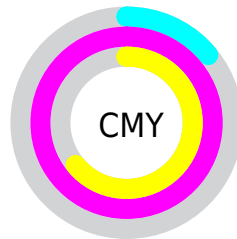
- Red (86%)
- Green (0%)
- Blue (36%)



- Red (86%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1892, 15.8504, 11.7715 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 31.1892, 15.8504, 11.7715 by changing the saturation by 10% instead.


 31.1892, 15.8504,
11.7715


 31.1892, 15.8504,
11.7715


299.2204,
228.4573, 213.8106


 20.8955, 9.4184,
6.4676


 60.9116, 36.3383,
29.7364


 13.1597, 5.0151,
3.0581

 81.0711, 51.1629,
43.2345


 7.6163, 2.2561,
1.1244


 105.2498, 69.5539,
60.3011

 3.9002, 0.7503,
0.0000

 133.8132, 91.8956,
81.3548

 1.6458, 0.0000,
0.0000

 167.1266,
118.5724, 106.8140

 0.4220, 0.0000,
0.0000

 205.5554,

 0.0000, 0.0000,

149.9687, 137.0974

0.0000

249.4648,
186.4689, 172.6234

■ 31.1892, 15.8504,
11.7715

■ 31.1892, 15.8504,
11.7715

■ 31.1878, 15.8498,
11.7650

■ 32.0801, 16.6642,
15.0534

■ 33.3906, 18.1630,
18.9496

■ 35.2306, 20.5606,
23.5165

■ 37.6634, 23.9775,
28.7933

■ 40.7425, 28.5155,
34.8153

■ 44.5154, 34.2635,
41.6150

■ 49.0246, 41.3019,
49.2224

■ 54.3093, 49.7038,
57.6656

■ 60.4055, 59.5368,
66.9715

Harmonies

Analogous

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



30.2568, 15.8504, 32.8602



31.1892, 15.8504, 11.7715



26.9401, 15.8504, 2.9213

Triad

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



31.1892, 15.8504, 11.7715



8.3451, 15.8504, 1.7414



11.1381, 15.8504, 78.1194

Complementary

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



31.1892, 15.8504, 11.7715



29.1010, 52.1707, 28.2911

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.



7.3217, 15.8504, 52.2702



31.1892, 15.8504, 11.7715



6.0634, 15.8504, 7.5930

Square

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



31.1892, 15.8504, 11.7715



13.0026, 15.8504, 0.4455



5.7528, 15.8504, 24.2300



17.3354, 15.8504, 82.7518

Rectangle

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



31.1892, 15.8504, 11.7715



22.3058, 15.8504, 1.0825



5.7528, 15.8504, 24.2300



9.5905, 15.8504, 71.0458

Sweetspot

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



31.1896, 15.8514, 11.7717



69.0150, 58.0021, 69.1707



21.1163, 9.4096, 67.7208



14.1675, 11.4662, 13.8005



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.



31.1896, 15.8514, 11.7717



43.9604, 22.3482, 16.2554



29.3794, 15.3918, 1.4239



13.2843, 13.1428, 14.7583



18.5452, 9.4191, 7.2512



1.2440, 0.6272, 0.6936

Inverse Universe

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



31.1896, 15.8514, 11.7717



43.9604, 22.3482, 16.2554



34.4755, 48.4922, 74.5604



13.2843, 13.1428, 14.7583



18.5452, 9.4191, 7.2512



1.2440, 0.6272, 0.6936

Previews

White Background



This preview shows how the XYZ color 31.1892, 15.8504, 11.7715 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 31.1892, 15.8504, 11.7715 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 31.1892, 15.8504, 11.7715

Background



This preview shows how black text looks on a background with the XYZ color 31.1892, 15.8504, 11.7715.



This preview shows how white text looks on a background with the XYZ color 31.1892, 15.8504,

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

31.1892, 15.8504, 11.7715

Protanopia

16.3517, 16.5258, 25.2496

Deuteranopia

16.6357, 16.3518, 10.6669



Tritanopia

29.5953, 16.2022, 3.2366

Trichromacy



Original Color

31.1892, 15.8504, 11.7715

Protanomaly

17.8561, 12.1584, 19.1750

Deuteranomaly

19.1583, 12.8369, 10.4848

Tritanomaly

29.9786, 15.8541, 5.3510

Monochromacy



Original Color

31.1892, 15.8504, 11.7715

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.4820, 7.3123, 8.7889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1892, 15.8504, 11.7715 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, 0, 93)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 93)  
}
```

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, 0, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 93) }
```

Border

The CSS property to change the border of an element to XYZ 31.1892, 15.8504, 11.7715 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, 0, 93) }
```


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

```
.border{ border-color:rgb(219, 0, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 93);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.1892, 15.8504, 11.7715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 93) }
```

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

```
.background{ background-color: rgb(219, 0,  
93) }
```

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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