

Converting Colors

XYZ(31.6266, 17.9555, 9.5834)

Have a look what the booklet for
XYZ(31.6266, 17.9555, 9.5834)
contains.

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Color

**XYZ(31.6266, 17.9555,
9.5834)**

Conversions

Conversions Part 1

Format	Color
Hex	DA3451
RGB	218, 52, 81
RGB Percent	85%, 20%, 32%
CMY	0.1451, 0.7960, 0.6824
CMYK	0.00, 0.76, 0.63, 0.15
HSL	350°, 69%, 53%
HSV	350°, 76%, 85%
XYZ	31.6266, 17.9555, 9.5834
YIQ	104.9400, 89.6270, 44.2110

Conversions

Conversions Part 2

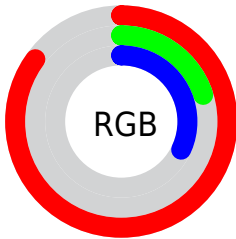
Format	Color
RYB	218, 52, 81
Decimal	14300241
CIELab	49.44, 64.40, 23.87
CIElCh	49, 68.680, 20.335
Yxy	17.9555, 0.5345, 0.3035
Android (android.graphics.Color)	4292490321 (0xFFDA3451)
YUV	104.9400, -11.8024, 99.1536
Hunter-Lab	42.3739, 59.0725, 16.2526

Details

The XYZ color **31.6266, 17.9555, 9.5834** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark muted red. A complement of this color would be **35.6747, 54.5475, 56.7995**, and the grayscale version is **13.4264, 14.1256, 15.3828**.

A 20% lighter version of the original color is **51.0634, 34.4600, 25.0792**, and **14.0442, 7.2015, 2.4001** is the 20% darker color. If you saturate the color by 10%, you get **30.2803, 16.2037, 6.2354**, and if you desaturate by 10%, it is **33.6014, 20.6787, 14.0231**.

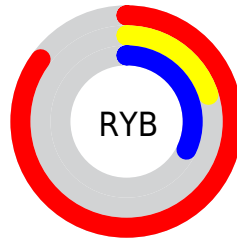
Distribution



Red (85%)

Green (20%)

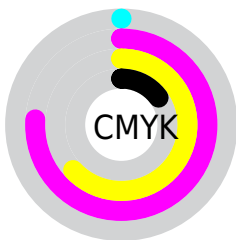
Blue (32%)



Red (85%)

Yellow (20%)

Blue (32%)

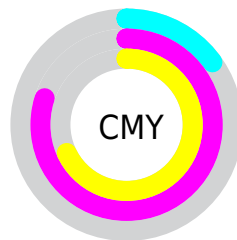


Cyan (0%)

Magenta (76%)

Yellow (63%)

Black (15%)



Cyan (15%)


Magenta (80%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6266, 17.9555, 9.5834 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 31.6266, 17.9555, 9.5834 by changing the saturation by 10% instead.


 31.6266, 17.9555,
9.5834


 31.6266, 17.9555,
9.5834

301.1904,
240.6201, 198.0479


 21.2306, 10.9180,
5.0217


 61.5944, 39.9615,
25.6044


 13.4061, 6.0117,
2.2010


 81.8969, 55.6988,
37.9007

 7.7877, 2.8522,
0.6750


 106.2324, 75.1049,
53.6122

 4.0101, 1.0551,
0.0000

 134.9660, 98.5641,
73.1576

 1.7078, 0.0000,
0.0000

 168.4633,
126.4608, 96.9553

 0.4612, 0.0000,
0.0000

207.0896,

 0.0000, 0.0000,

159.1794, 125.4239

0.0000

251.2101,
197.1044, 158.9819

■ 31.6266, 17.9555,
9.5834

■ 31.6266, 17.9555,
9.5834

■ 30.2803, 16.2037,
6.2354

■ 33.6014, 20.6787,
14.0231

■ 29.4785, 15.2775,
3.8793

■ 36.2709, 24.4846,
19.6396

■ 29.2642, 15.0457,
3.2014

■ 39.6944, 29.4730,
26.5106

■ 43.9242, 35.7312,
34.7066

■ 49.0077, 43.3385,
44.2926

■ 54.9888, 52.3674,
55.3297

■ 61.9084, 62.8855,
67.8749

■ 69.8048, 74.9559,
81.9825

■ 78.7141, 88.6381,
97.7037

Harmonies

Analogous

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



32.5404, 17.9555, 26.1776



31.6266, 17.9555, 9.5834



26.3236, 17.9555, 2.9343

Triad

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



31.6266, 17.9555, 9.5834



9.1564, 17.9555, 4.4698



15.0577, 17.9555, 80.0868

Complementary

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



31.6266, 17.9555, 9.5834



35.6747, 54.5475, 56.7995

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.



10.2819, 17.9555, 61.9210



31.6266, 17.9555, 9.5834



7.4910, 17.9555, 14.1484

Square

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



31.6266, 17.9555, 9.5834



13.0904, 17.9555, 1.5462



7.8429, 17.9555, 34.7661



21.7750, 17.9555, 75.7679

Rectangle

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



31.6266, 17.9555, 9.5834



21.6142, 17.9555, 1.5200



7.8429, 17.9555, 34.7661



13.2055, 17.9555, 76.1207

Sweetspot

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



31.6270, 17.9566, 9.5837



72.2717, 65.3830, 67.5816



34.5163, 18.1557, 68.0144



14.8431, 13.0527, 13.3009



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.



31.6270, 17.9566, 9.5837



42.4559, 22.2350, 6.8265



34.5418, 25.1702, 6.2882



13.1484, 13.0885, 14.0427



17.5601, 9.0251, 2.0637



1.1661, 0.5961, 0.2838

Inverse Universe

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



31.6270, 17.9566, 9.5837



42.4559, 22.2350, 6.8265



27.6057, 32.8605, 71.2169



13.1484, 13.0885, 14.0427



17.5601, 9.0251, 2.0637



1.1661, 0.5961, 0.2838

Previews

White Background



This preview shows how the XYZ color 31.6266, 17.9555, 9.5834 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 31.6266, 17.9555, 9.5834 looks on a black 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

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

XYZ 31.6266, 17.9555, 9.5834

Background



This preview shows how black text looks on a background with the XYZ color 31.6266, 17.9555, 9.5834.



This preview shows how white text looks on a background with the XYZ color 31.6266, 17.9555,

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

31.6266, 17.9555, 9.5834

Protanopia

17.2648, 18.1986, 17.0707

Deuteranopia

18.4354, 18.1309, 8.8313



Tritanopia

30.8678, 17.9937, 5.9839

Trichromacy



Original Color

31.6266, 17.9555, 9.5834

Protanomaly

20.1595, 16.0744, 13.8445

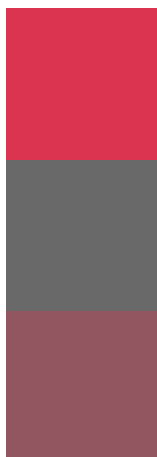
Deuteranomaly

21.6232, 16.5500, 8.8923

Tritanomaly

30.9946, 17.8893, 7.1296

Monochromacy



Original Color

31.6266, 17.9555, 9.5834

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

17.2932, 13.6111, 12.7821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6266, 17.9555, 9.5834 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(218, 52, 81)` looks like.

```
.text, #text, p{  
    color:rgb(218, 52, 81)  
}
```

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(218, 52, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 52, 81) }
```

Border

The CSS property to change the border of an element to XYZ 31.6266, 17.9555, 9.5834 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(218, 52, 81) }
```


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

```
.border{ border-color:rgb(218, 52, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 52, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 52, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 52, 81);  
box-shadow:4px 4px 4px 4px rgb(218, 52,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6266, 17.9555, 9.5834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 52, 81) }
```

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

```
.background{ background-color: rgb(218, 52,  
81) }
```

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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