

Converting Colors

XYZ(31.9501, 17.8459, 10.5647)

Have a look what the booklet for
XYZ(31.9501, 17.8459, 10.5647)
contains.

XYZ(31.9501, 17.8459, 10.5647)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.9501, 17.8459,
10.5647)**

Conversions

Conversions Part 1

Format	Color
Hex	DB3056
RGB	219, 48, 86
RGB Percent	86%, 19%, 34%
CMY	0.1412, 0.8117, 0.6627
CMYK	0.00, 0.78, 0.61, 0.14
HSL	347°, 70%, 52%
HSV	347°, 78%, 86%
XYZ	31.9501, 17.8459, 10.5647
YIQ	103.4610, 89.7180, 48.0700

Conversions

Conversions Part 2

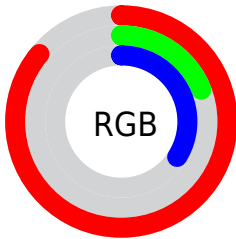
Format	Color
R _Y B	219, 48, 86
Decimal	14364758
CIE Lab	49.31, 66.15, 20.70
CIE LCh	49, 69.314, 17.374
Yxy	17.8459, 0.5293, 0.2957
Android (android.graphics.Color)	4292554838 (0xFFDB3056)
YUV	103.4610, -8.6083, 101.3277
Hunter-Lab	42.2444, 61.0746, 14.7435

Details

The XYZ color **31.9501, 17.8459, 10.5647** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark muted red. A complement of this color would be **34.8929, 54.6283, 52.4287**, and the grayscale version is **13.0214, 13.6996, 14.9188**.

A 20% lighter version of the original color is **51.1891, 34.1611, 26.8175**, and **14.3049, 7.3282, 2.7584** is the 20% darker color. If you saturate the color by 10%, you get **30.6583, 16.2331, 7.1420**, and if you desaturate by 10%, it is **33.8480, 20.4096, 14.9966**.

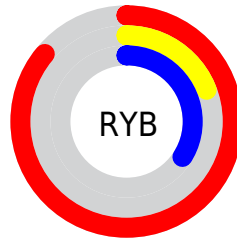
Distribution



Red (86%)

Green (19%)

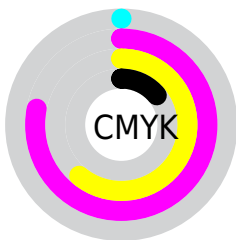
Blue (34%)



Red (86%)

Yellow (19%)

Blue (34%)

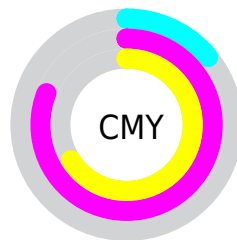


Cyan (0%)

Magenta (78%)

Yellow (61%)

Black (14%)



Cyan (14%)


Magenta (81%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9501, 17.8459, 10.5647 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 31.9501, 17.8459, 10.5647 by changing the saturation by 10% instead.


 31.9501, 17.8459,
10.5647


 31.9501, 17.8459,
10.5647


302.6412,
240.0010, 205.2853


 21.4788, 10.8394,
5.6645


 62.0986, 39.7746,
27.4766


 13.5889, 5.9590,
2.5767


 82.5064, 55.4655,
40.3254


 7.9150, 2.8201,
0.8804


 106.9571, 74.8201,
56.6607

 4.0920, 1.0386,
0.0000

 135.8161, 98.2227,
76.9012

 1.7543, 0.0000,
0.0000

 169.4486,
126.0577, 101.4654

 0.4899, 0.0000,
0.0000

208.2200,

 0.0000, 0.0000,

158.7095, 130.7718

0.0000

252.4958,
196.5625, 165.2389

■ 31.9501, 17.8459,
10.5647

■ 31.9501, 17.8459,
10.5647

■ 30.6583, 16.2331,
7.1420

■ 33.8480, 20.4096,
14.9966

■ 29.8773, 15.3988,
4.6382


■ 36.4187, 24.0399,
20.5121


■ 29.7603, 15.2788,
4.2480


■ 39.7212, 28.8394,
27.1792


■ 43.8075, 34.8975,
35.0595

■ 48.7247, 42.2952,
44.2106

 54.5161, 51.1062,
54.6860

 61.2220, 61.3993,
66.5360

 68.8802, 73.2386,
79.8086

 77.5263, 86.6842,
94.5491

Harmonies

Analogous

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



32.3617, 17.8459, 28.3773



31.9501, 17.8459, 10.5647



26.9406, 17.8459, 3.1814

Triad

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



31.9501, 17.8459, 10.5647



9.3122, 17.8459, 3.8530



14.3680, 17.8459, 79.6928

Complementary

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



31.9501, 17.8459, 10.5647



34.8929, 54.6283, 52.4287

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.



9.8131, 17.8459, 59.5988



31.9501, 17.8459, 10.5647



7.4378, 17.8459, 12.5957

Square

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



31.9501, 17.8459, 10.5647



13.4888, 17.8459, 1.3640



7.5940, 17.8459, 32.2370



20.9854, 17.8459, 77.7372

Rectangle

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



31.9501, 17.8459, 10.5647



22.2532, 17.8459, 1.5644



7.5940, 17.8459, 32.2370



12.5839, 17.8459, 74.9378

Sweetspot

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



31.9505, 17.8470, 10.5650



72.6147, 65.5202, 69.3878



32.4579, 16.8255, 68.5544



14.9242, 13.0851, 13.7275



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.



31.9505, 17.8470, 10.5650



42.4754, 22.0343, 7.5718



33.7152, 23.2098, 5.5008



13.1739, 13.0987, 14.1770



17.6805, 9.0732, 2.6977



1.1781, 0.6009, 0.3467

Inverse Universe

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



31.9505, 17.8470, 10.5650



42.4754, 22.0343, 7.5718



29.0268, 35.7853, 72.3949



13.1739, 13.0987, 14.1770



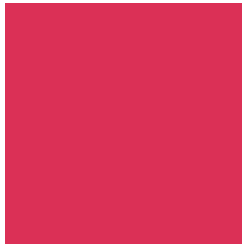
17.6805, 9.0732, 2.6977



1.1781, 0.6009, 0.3467

Previews

White Background



This preview shows how the XYZ color 31.9501, 17.8459, 10.5647 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 31.9501, 17.8459, 10.5647 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 31.9501, 17.8459, 10.5647

Background



This preview shows how black text looks on a background with the XYZ color 31.9501, 17.8459, 10.5647.



This preview shows how white text looks on a background with the XYZ color 31.9501, 17.8459,

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

31.9501, 17.8459, 10.5647

Protanopia

17.3179, 18.0000, 19.3912

Deuteranopia

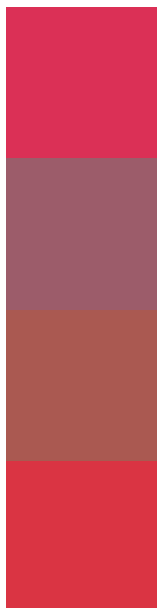
18.4356, 18.1111, 9.7319



Tritanopia

30.9934, 17.9233, 5.5674

Trichromacy



Original Color

31.9501, 17.8459, 10.5647

Protanomaly

20.1390, 15.7628, 15.6168

Deuteranomaly

21.6351, 16.2849, 9.7876

Tritanomaly

31.1546, 17.7667, 7.0975

Monochromacy



Original Color

31.9501, 17.8459, 10.5647

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

16.9280, 13.0693, 12.9397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9501, 17.8459, 10.5647 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, 48, 86)` looks like.

```
.text, #text, p{  
    color:rgb(219, 48, 86)  
}
```

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, 48, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 48, 86) }
```

Border

The CSS property to change the border of an element to XYZ 31.9501, 17.8459, 10.5647 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, 48, 86) }
```


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

```
.border{ border-color:rgb(219, 48, 86) }
```

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

Here you see how a box with a 4 pixel rgb(219, 48, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 48, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 48, 86);  
box-shadow:4px 4px 4px 4px rgb(219, 48,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9501, 17.8459, 10.5647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 48, 86) }
```

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

```
.background{ background-color: rgb(219, 48,  
86) }
```

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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