

Converting Colors

XYZ(31.9440, 17.8704, 10.4437)

Have a look what the booklet for
XYZ(31.9440, 17.8704, 10.4437)
contains.

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Color

**XYZ(31.9101, 17.8299,
10.3540)**

Conversions

Conversions Part 1

Format	Color
Hex	DB3055
RGB	219, 48, 85
RGB Percent	86%, 19%, 33%
CMY	0.1412, 0.8117, 0.6667
CMYK	0.00, 0.78, 0.61, 0.14
HSL	347°, 70%, 52%
HSV	347°, 78%, 86%
XYZ	31.9101, 17.8299, 10.3540
YIQ	103.3470, 90.0390, 47.7590

Conversions

Conversions Part 2

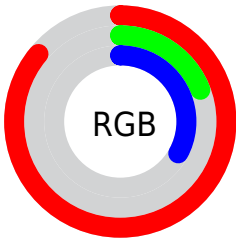
Format	Color
RYB	219, 48, 85
Decimal	14364757
CIELab	49.29, 66.09, 21.28
CIElCh	49, 69.432, 17.847
Yxy	17.8299, 0.5310, 0.2967
Android (android.graphics.Color)	4292554837 (0xFFDB3055)
YUV	103.3470, -9.0451, 101.4277
Hunter-Lab	42.2255, 60.9992, 15.0195

Details

The XYZ color **31.9101, 17.8299, 10.3540** 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 **34.9959, 54.6695, 52.9710**, and the grayscale version is **12.9922, 13.6688, 14.8853**.

A 20% lighter version of the original color is **51.1190, 34.1331, 26.4483**, and **14.3049, 7.3282, 2.7584** is the 20% darker color. If you saturate the color by 10%, you get **30.6237, 16.2192, 6.9595**, and if you desaturate by 10%, it is **33.8045, 20.3921, 14.7672**.

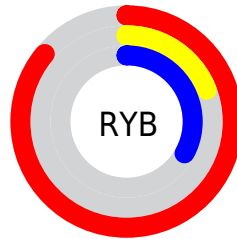
Distribution



Red (86%)

Green (19%)

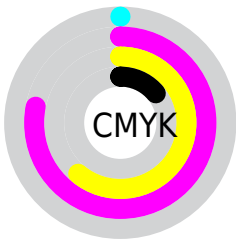
Blue (33%)



Red (86%)

Yellow (19%)

Blue (33%)

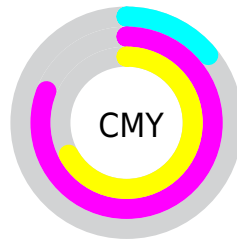


Cyan (0%)

Magenta (78%)

Yellow (61%)

Black (14%)



Cyan (14%)


Magenta (81%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9101, 17.8299, 10.3540 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 31.9101, 17.8299, 10.3540 by changing the saturation by 10% instead.


 31.9101, 17.8299,
10.3540


 31.9101, 17.8299,
10.3540


302.4621,
239.9105, 203.7560


 21.4481, 10.8279,
5.5256


 62.0363, 39.7473,
27.0774


 13.5662, 5.9513,
2.4948


 82.4311, 55.4315,
39.8095


 7.8993, 2.8155,
0.8374


 106.8676, 74.7785,
56.0133

 4.0818, 1.0362,
0.0000

 135.7111, 98.1728,
76.1073

 1.7485, 0.0000,
0.0000

 169.3269,
125.9988, 100.5100

 0.4864, 0.0000,
0.0000

208.0805,

 0.0000, 0.0000,

158.6408, 129.6400

0.0000

252.3371,
196.4832, 163.9158

■ 31.9101, 17.8299,
10.3540

■ 31.9101, 17.8299,
10.3540

■ 30.6237, 16.2192,
6.9595

■ 33.8045, 20.3921,
14.7672

■ 29.8494, 15.3876,
4.4914


■ 36.3737, 24.0219,
20.2751


■ 29.7339, 15.2683,
4.1088

■ 39.6772, 28.8217,
26.9470


■ 43.7669, 34.8813,
34.8458

■ 48.6904, 42.2815,
44.0301

 54.4911, 51.0963,
54.5544

 61.2095, 61.3944,
66.4702

 68.8835, 73.2399,
79.8260

 77.5490, 86.6933,
94.6683

Harmonies

Analogous

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



32.4045, 17.8299, 28.0007



31.9101, 17.8299, 10.3540



26.8355, 17.8299, 3.1035

Triad

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



31.9101, 17.8299, 10.3540



9.2448, 17.8299, 3.9078



14.4410, 17.8299, 79.9640

Complementary

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



31.9101, 17.8299, 10.3540



34.9959, 54.6695, 52.9710

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.



9.8457, 17.8299, 60.0803



31.9101, 17.8299, 10.3540



7.4043, 17.8299, 12.7907

Square

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



31.9101, 17.8299, 10.3540



13.3858, 17.8299, 1.3664



7.5915, 17.8299, 32.6361



21.0891, 17.8299, 77.6138

Rectangle

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



31.9101, 17.8299, 10.3540



22.1303, 17.8299, 1.5299



7.5915, 17.8299, 32.6361



12.6434, 17.8299, 75.3119

Sweetspot

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



31.9105, 17.8310, 10.3543



72.5721, 65.5032, 69.1638



33.1239, 17.1689, 68.5856



14.9141, 13.0811, 13.6746



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.



31.9105, 17.8310, 10.3543



42.4327, 22.0172, 7.3471



33.9721, 23.7235, 5.5864



13.1707, 13.0974, 14.1604



17.6641, 9.0667, 2.6115



1.1766, 0.6003, 0.3390

Inverse Universe

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



31.9105, 17.8310, 10.3543



42.4327, 22.0172, 7.3471



28.4845, 34.7007, 72.2141



13.1707, 13.0974, 14.1604



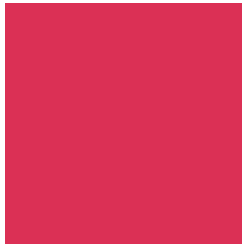
17.6641, 9.0667, 2.6115



1.1766, 0.6003, 0.3390

Previews

White Background



This preview shows how the XYZ color 31.9101, 17.8299, 10.3540 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 31.9101, 17.8299, 10.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

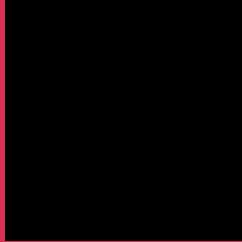
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9101, 17.8299, 10.3540

Background



This preview shows how black text looks on a background with the XYZ color 31.9101, 17.8299, 10.3540.



This preview shows how white text looks on a background with the XYZ color 31.9101, 17.8299,

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

31.9101, 17.8299, 10.3540

Protanopia

17.2594, 17.9766, 19.0832

Deuteranopia

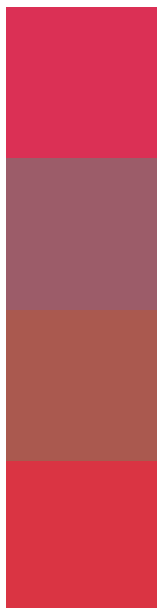
18.3650, 18.0828, 9.3599



Tritanopia

30.9464, 17.8293, 5.5517

Trichromacy



Original Color

31.9101, 17.8299, 10.3540

Protanomaly

20.0872, 15.7421, 15.3444

Deuteranomaly

21.5612, 16.2553, 9.3983

Tritanomaly

31.1546, 17.7667, 7.0975

Monochromacy



Original Color

31.9101, 17.8299, 10.3540

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

16.8816, 13.0508, 12.6956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9101, 17.8299, 10.3540 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(219, 48, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 48, 85) }
```

Border

The CSS property to change the border of an element to XYZ 31.9101, 17.8299, 10.3540 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, 85) }
```


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

```
.border{ border-color:rgb(219, 48, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 48, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 48, 85);  
box-shadow:4px 4px 4px 4px rgb(219, 48,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9101, 17.8299, 10.3540 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, 85) }
```

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

```
.background{ background-color: rgb(219, 48,  
85) }
```

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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