

Converting Colors

XYZ(33.6691, 19.7488, 11.3032)

Have a look what the booklet for
XYZ(33.6691, 19.7488, 11.3032)
contains.

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Color

**XYZ(33.6083, 19.6794,
11.2597)**

Conversions

Conversions Part 1

Format	Color
Hex	DE3E58
RGB	222, 62, 88
RGB Percent	87%, 24%, 35%
CMY	0.1294, 0.7568, 0.6549
CMYK	0.00, 0.72, 0.60, 0.13
HSL	350°, 71%, 56%
HSV	350°, 72%, 87%
XYZ	33.6083, 19.6794, 11.2597
YIQ	112.8040, 87.0140, 42.0060

Conversions

Conversions Part 2

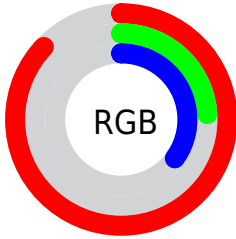
Format	Color
RYB	222, 62, 88
Decimal	14564952
CIELab	51.47, 62.74, 22.46
CIElCh	51, 66.635, 19.695
Yxy	19.6794, 0.5207, 0.3049
Android (android.graphics.Color)	4292755032 (0xFFDE3E58)
YUV	112.8040, -12.2284, 95.7649
Hunter-Lab	44.3615, 57.5992, 16.0042

Details

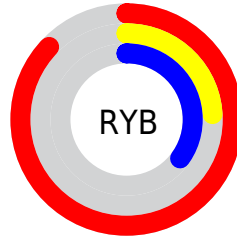
The XYZ color **33.6083, 19.6794, 11.2597** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark muted red. A complement of this color would be **38.0734, 57.2528, 61.2746**, and the grayscale version is **15.6562, 16.4715, 17.9375**.

A 20% lighter version of the original color is **52.6648, 36.7697, 28.3663**, and **14.9332, 7.6480, 2.9746** is the 20% darker color. If you saturate the color by 10%, you get **31.9634, 17.4691, 7.3839**, and if you desaturate by 10%, it is **35.9433, 22.9560, 16.3348**.

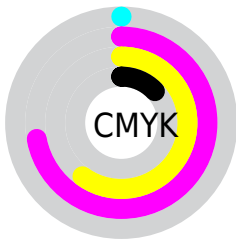
Distribution



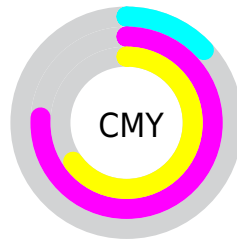
- Red (87%)
- Green (24%)
- Blue (35%)



- Red (87%)
- Yellow (24%)
- Blue (35%)



- Cyan (0%)
- Magenta (72%)
- Yellow (60%)
- Black (13%)




- Cyan (13%)
- Magenta (76%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6083, 19.6794, 11.2597 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 33.6083, 19.6794, 11.2597 by changing the saturation by 10% instead.


 33.6083, 19.6794,
11.2597


 33.6083, 19.6794,
11.2597

309.9987,
250.1742, 210.2417


 22.7543, 12.1622,
6.1254


 64.6724, 42.8790,
28.7834

 14.5319, 6.8543,
2.8515


 85.6133, 59.3302,
42.0098


 8.5757, 3.3711,
1.0193


 110.6471, 79.5283,
58.7708

 4.5204, 1.3284,
0.0000

 140.1393,
103.8575, 79.4848

 2.0005, 0.1630,
0.0000

 174.4552,
132.7023, 104.5703

 0.6343, 0.0000,
0.0000

213.9601,

 0.0000, 0.0000,

166.4471, 134.4459

0.0000

259.0195,
205.4763, 169.5302

■ 33.6083, 19.6794,
11.2597

■ 33.6083, 19.6794,
11.2597

■ 31.9634, 17.4691,
7.3839

■ 35.9433, 22.9560,
16.3348

■ 30.9276, 16.1870,
4.6048


■ 39.0342, 27.4079,
22.6980


■ 30.4435, 15.6573,
3.0918


■ 42.9405, 33.1346,
30.4305


■ 47.7152, 40.2238,
39.6066

■ 53.4070, 48.7556,
50.2952

 60.0606, 58.8038,
62.5605

 67.7182, 70.4372,
76.4633

 76.4191, 83.7204,
92.0610

 83.9341, 94.2695,
108.3798

Harmonies

Analogous

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



34.4198, 19.6794, 28.7123



33.6083, 19.6794, 11.2597



28.3146, 19.6794, 3.8274

Triad

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



33.6083, 19.6794, 11.2597



10.5133, 19.6794, 5.3447



16.4977, 19.6794, 81.9058

Complementary

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



33.6083, 19.6794, 11.2597



38.0734, 57.2528, 61.2746

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.



11.5598, 19.6794, 63.5597



33.6083, 19.6794, 11.2597



8.6925, 19.6794, 15.4926

Square

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



33.6083, 19.6794, 11.2597



14.6977, 19.6794, 2.0953



9.0234, 19.6794, 36.3863



23.3808, 19.6794, 78.1507

Rectangle

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



33.6083, 19.6794, 11.2597



23.5303, 19.6794, 2.1239



9.0234, 19.6794, 36.3863



14.5885, 19.6794, 77.8335

Sweetspot

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



33.6088, 19.6805, 11.2600



73.0272, 66.6156, 68.6923



37.5003, 20.3671, 71.0617



15.1484, 13.5333, 13.8033



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.



33.6088, 19.6805, 11.2600



43.0096, 22.9628, 8.1815



37.1635, 28.2167, 8.0466



13.7976, 13.7367, 14.7043



18.1098, 9.3109, 1.9782



1.2834, 0.6566, 0.2851

Inverse Universe

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



33.6088, 19.6805, 11.2600



43.0096, 22.9628, 8.1815



29.2987, 34.5517, 74.2319



13.7976, 13.7367, 14.7043



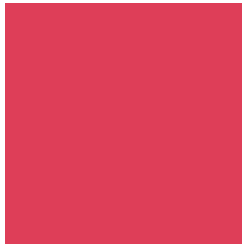
18.1098, 9.3109, 1.9782



1.2834, 0.6566, 0.2851

Previews

White Background



This preview shows how the XYZ color 33.6083, 19.6794, 11.2597 looks on a white 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

Black Background



This preview shows how the XYZ color 33.6083, 19.6794, 11.2597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

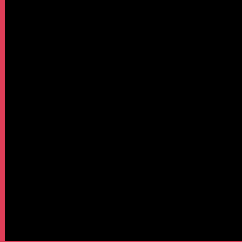
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6083, 19.6794, 11.2597

Background



This preview shows how black text looks on a background with the XYZ color 33.6083, 19.6794, 11.2597.

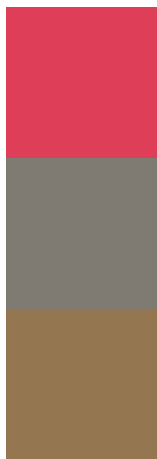


This preview shows how white text looks on a background with the XYZ color 33.6083, 19.6794,

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

33.6083, 19.6794, 11.2597

Protanopia

18.9299, 19.9157, 19.0661

Deuteranopia

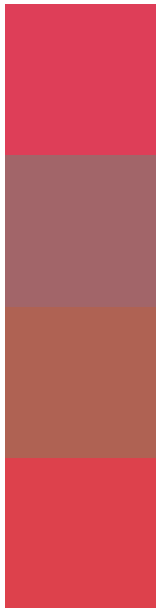
20.1391, 19.8320, 10.3559



Tritanopia

32.8412, 19.6983, 7.7014

Trichromacy



Original Color

33.6083, 19.6794, 11.2597

Protanomaly

22.1038, 18.0087, 15.6756

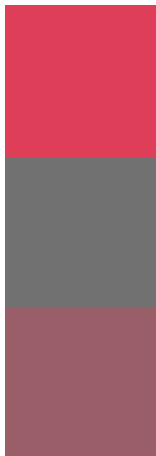
Deuteranomaly

23.6082, 18.4739, 10.5051

Tritanomaly

33.0136, 19.6745, 8.8950

Monochromacy



Original Color

33.6083, 19.6794, 11.2597

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

19.6383, 15.7772, 15.1070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6083, 19.6794, 11.2597 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(222, 62, 88)` looks like.

```
.text, #text, p{  
    color:rgb(222, 62, 88)  
}
```

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(222, 62, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 62, 88) }
```

Border

The CSS property to change the border of an element to XYZ 33.6083, 19.6794, 11.2597 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(222, 62, 88) }
```


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

```
.border{ border-color:rgb(222, 62, 88) }
```

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

Here you see how a box with a 4 pixel rgb(222, 62, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 62, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 62, 88);  
box-shadow:4px 4px 4px 4px rgb(222, 62,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6083, 19.6794, 11.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 62, 88) }
```

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

```
.background{ background-color: rgb(222, 62,  
88) }
```

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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