

Converting Colors

XYZ(36.7195, 19.1700, 6.4360)

Have a look what the booklet for
XYZ(36.7195, 19.1700, 6.4360)
contains.

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Color

**XYZ(36.7267, 19.1753,
6.4681)**

Conversions

Conversions Part 1

Format	Color
Hex	EF133F
RGB	239, 19, 63
RGB Percent	94%, 7%, 25%
CMY	0.0627, 0.9253, 0.7529
CMYK	0.00, 0.92, 0.74, 0.06
HSL	348°, 87%, 51%
HSV	348°, 92%, 94%
XYZ	36.7267, 19.1753, 6.4681
YIQ	89.7960, 116.9960, 60.3240

Conversions

Conversions Part 2

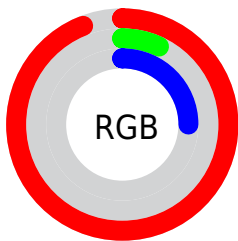
Format	Color
R_{YB}	239, 19, 63
Decimal	15668031
CIE _{Lab}	50.89, 75.86, 37.29
CIE _{LCh}	51, 84.527, 26.180
Yxy	19.1753, 0.5889, 0.3074
Android (android.graphics.Color)	4293858111 (0xFFEF133F)
YUV	89.7960, -13.2104, 130.8519
Hunter-Lab	43.7896, 73.0776, 21.8951

Details

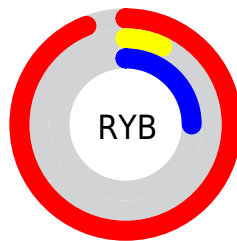
The XYZ color **36.7267, 19.1753, 6.4681** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **40.9900, 65.8133, 62.1940**, and the grayscale version is **9.6871, 10.1916, 11.0986**.

A 20% lighter version of the original color is **48.4769, 31.1431, 18.4951**, and **17.5909, 9.0528, 1.5297** is the 20% darker color. If you saturate the color by 10%, you get **36.1252, 18.5621, 4.4501**, and if you desaturate by 10%, it is **37.9857, 20.6849, 9.9978**.

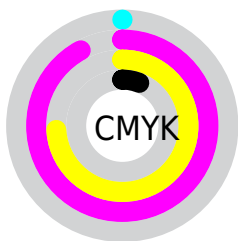
Distribution



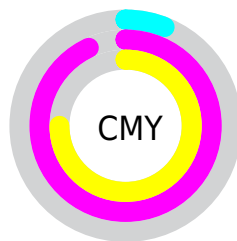
- Red (94%)
- Green (7%)
- Blue (25%)



- Red (94%)
- Yellow (7%)
- Blue (25%)



- Cyan (0%)
- Magenta (92%)
- Yellow (74%)
- Black (6%)





- Cyan (6%)
- Magenta (93%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7267, 19.1753, 6.4681 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 36.7267, 19.1753, 6.4681 by changing the saturation by 10% instead.


 36.7267, 19.1753,
6.4681


 36.7267, 19.1753,
6.4681


323.5019,
247.4148, 172.6275


 25.1687, 11.7970,
3.0584


 69.4688, 42.0301,
19.3892

 16.3322, 6.6056,
1.1245


 91.3836, 58.2754,
29.7377

 9.8518, 3.2167,
0.0000


 117.4813, 78.2452,
43.2362

 5.3623, 1.2459,
0.0000

 148.1274,
102.3238, 60.3032

 2.4983, 0.0987,
0.0000

 183.6871,
130.8957, 81.3573

 0.8944, 0.0000,
0.0000

 224.5259,

 0.0000, 0.0000,

164.3452, 106.8170

0.0000

271.0090,
203.0568, 137.1009

■ 36.7267, 19.1753,
6.4681

■ 36.7267, 19.1753,
6.4681

■ 36.1252, 18.5621,
4.4501

■ 37.9857, 20.6849,
9.9978

■ 39.9549, 23.2900,
14.7649

■ 42.7277, 27.1529,
20.8762

■ 46.3821, 32.4079,
28.4260

■ 50.9868, 39.1718,
37.5000

■ 56.6035, 47.5492,
48.1768

■ 63.2885, 57.6353,
60.5296

■ 71.0942, 69.5177,
74.6269

■ 80.0691, 83.2784,
90.5336

Harmonies

Analogous

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



39.3537, 19.1753, 24.0885



36.7267, 19.1753, 6.4681



28.6820, 19.1753, 1.2490

Triad

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



36.7267, 19.1753, 6.4681



7.8887, 19.1753, 4.3335



17.1785, 19.1753, 108.3444

Complementary

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



36.7267, 19.1753, 6.4681



40.9900, 65.8133, 62.1940

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.



10.6805, 19.1753, 86.9536



36.7267, 19.1753, 6.4681



6.4541, 19.1753, 17.9674

Square

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



36.7267, 19.1753, 6.4681



12.0288, 19.1753, 0.8312



7.2933, 19.1753, 48.3878



26.2518, 19.1753, 95.1123

Rectangle

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



36.7267, 19.1753, 6.4681



22.3288, 19.1753, 0.3960



7.2933, 19.1753, 48.3878



14.6586, 19.1753, 104.7084

Sweetspot

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



36.7271, 19.1765, 6.4684



68.4756, 59.4463, 61.2131



38.3209, 18.3020, 83.1738



13.9766, 11.7015, 11.8348



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.



36.7271, 19.1765, 6.4684



41.8368, 21.4987, 5.0727



38.9648, 24.8988, 3.3700



15.9020, 15.8105, 17.0399



20.0006, 10.2727, 2.6540



1.6981, 0.8683, 0.4012

Inverse Universe

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



36.7271, 19.1765, 6.4684



41.8368, 21.4987, 5.0727



30.7948, 36.2620, 87.0371



15.9020, 15.8105, 17.0399



20.0006, 10.2727, 2.6540



1.6981, 0.8683, 0.4012

Previews

White Background



This preview shows how the XYZ color 36.7267, 19.1753, 6.4681 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 36.7267, 19.1753, 6.4681 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 36.7267, 19.1753, 6.4681

Background



This preview shows how black text looks on a background with the XYZ color 36.7267, 19.1753, 6.4681.



This preview shows how white text looks on a background with the XYZ color 36.7267, 19.1753,

6.4681.

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

36.7267, 19.1753, 6.4681

Protanopia

18.1858, 19.4730, 13.3899

Deuteranopia

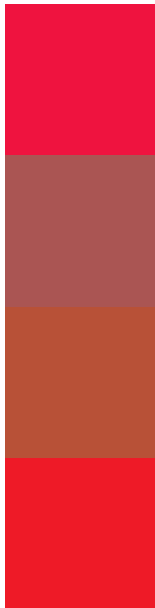
19.7700, 19.3965, 5.7195



Tritanopia

35.8996, 19.1759, 2.7289

Trichromacy



Original Color

36.7267, 19.1753, 6.4681

Protanomaly

21.3874, 15.6676, 10.0805

Deuteranomaly

23.3992, 16.3510, 5.5372

Tritanomaly

35.9955, 19.0624, 3.7017

Monochromacy



Original Color

36.7267, 19.1753, 6.4681

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

14.7830, 10.1753, 8.7743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7267, 19.1753, 6.4681 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(239, 19, 63)` looks like.

```
.text, #text, p{  
    color:rgb(239, 19, 63)  
}
```

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(239, 19, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 19, 63) }
```

Border

The CSS property to change the border of an element to XYZ 36.7267, 19.1753, 6.4681 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(239, 19, 63) }
```


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

```
.border{ border-color:rgb(239, 19, 63) }
```

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

Here you see how a box with a 4 pixel rgb(239, 19, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 19, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 19, 63);  
box-shadow:4px 4px 4px 4px rgb(239, 19,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7267, 19.1753, 6.4681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 19, 63) }
```

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

```
.background{ background-color: rgb(239, 19,  
63) }
```

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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