

Converting Colors

XYZ(36.9147, 20.4639, 6.7404)

Have a look what the booklet for
XYZ(36.9147, 20.4639, 6.7404)
contains.

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Color

**XYZ(36.8792, 20.4773,
6.7114)**

Conversions

Conversions Part 1

Format	Color
Hex	ED303F
RGB	237, 48, 63
RGB Percent	93%, 19%, 25%
CMY	0.0706, 0.8117, 0.7529
CMYK	0.00, 0.80, 0.73, 0.07
HSL	355°, 84%, 56%
HSV	355°, 80%, 93%
XYZ	36.8792, 20.4773, 6.7114
YIQ	106.2210, 107.8290, 44.7330

Conversions

Conversions Part 2

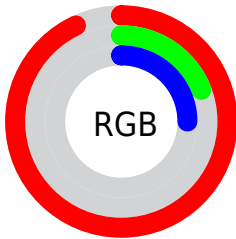
Format	Color
RYB	237, 48, 63
Decimal	15544383
CIELab	52.37, 69.98, 38.88
CIELCh	52, 80.051, 29.058
Yxy	20.4773, 0.5756, 0.3196
Android (android.graphics.Color)	4293734463 (0xFFED303F)
YUV	106.2210, -21.3080, 114.6932
Hunter-Lab	45.2519, 66.2826, 22.8829

Details

The XYZ color **36.8792, 20.4773, 6.7114** 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 **44.6905, 66.4715, 79.5928**, and the grayscale version is **13.7981, 14.5167, 15.8087**.

A 20% lighter version of the original color is **49.9034, 33.9960, 18.9706**, and **17.1395, 8.8212, 1.4611** is the 20% darker color. If you saturate the color by 10%, you get **35.6614, 18.8322, 3.8697**, and if you desaturate by 10%, it is **38.8565, 23.2556, 10.9980**.

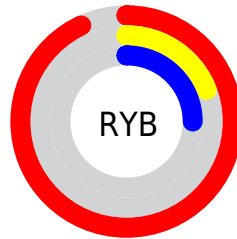
Distribution



Red (93%)

Green (19%)

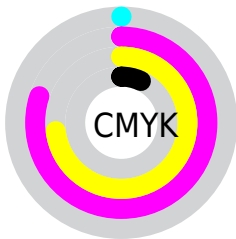
Blue (25%)



Red (93%)

Yellow (19%)

Blue (25%)

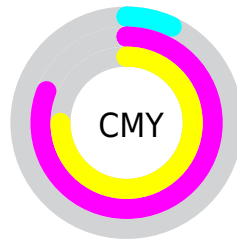


Cyan (0%)

Magenta (80%)

Yellow (73%)

Black (7%)



Cyan (7%)


Magenta (81%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8792, 20.4773, 6.7114 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 36.8792, 20.4773, 6.7114 by changing the saturation by 10% instead.


 36.8792, 20.4773,
6.7114


 36.8792, 20.4773,
6.7114


324.1519,
254.4874, 174.7826


 25.2872, 12.7425,
3.2066


 69.7020, 44.2160,
19.8931

 16.4210, 7.2514,
1.2011


 91.6635, 60.9886,
30.4071


 9.9153, 3.6198,
0.0000


 117.8123, 81.5426,
44.0945

 5.4047, 1.4633,
0.0000

 148.5136,
106.2624, 61.3740

 2.5238, 0.2627,
0.0000

 184.1329,
135.5324, 82.6639

 0.9073, 0.0000,
0.0000

 225.0354,

 0.0000, 0.0000,

169.7370, 108.3830

0.0000

271.5866,
209.2605, 138.9497

■ 36.8792, 20.4773,
6.7114

■ 36.8792, 20.4773,
6.7114

■ 35.6614, 18.8322,
3.8697

■ 38.8565, 23.2556,
10.9980

■ 35.0521, 18.0660,
2.2719


■ 41.6897, 27.3181,
16.8871


■ 35.0406, 18.0507,
2.2441


■ 45.4623, 32.7965,
24.5165


■ 50.2476, 39.8054,
34.0090

■ 56.1115, 48.4475,
45.4764

 63.1144, 58.8167,
59.0214

 71.3120, 70.9998,
74.7397

 80.7567, 85.0778,
92.7212

 88.7348, 96.7444,
108.6045

Harmonies

Analogous

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



40.0178, 20.4773, 23.0517



36.8792, 20.4773, 6.7114



28.8099, 20.4773, 1.6234

Triad

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



36.8792, 20.4773, 6.7114



8.7831, 20.4773, 6.1469



19.2034, 20.4773, 105.5278

Complementary

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



36.8792, 20.4773, 6.7114



44.6905, 66.4715, 79.5928

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.



12.3941, 20.4773, 88.3495



36.8792, 20.4773, 6.7114



7.5221, 20.4773, 21.5576

Square

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



36.8792, 20.4773, 6.7114



12.7315, 20.4773, 1.4966



8.6305, 20.4773, 52.4334



28.2271, 20.4773, 90.2333

Rectangle

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



36.8792, 20.4773, 6.7114



22.6315, 20.4773, 0.8181



8.6305, 20.4773, 52.4334



16.6050, 20.4773, 103.2340

Sweetspot

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



36.8797, 20.4786, 6.7117



70.7558, 63.8620, 62.4188



46.2388, 23.6412, 82.2463



14.5237, 12.7502, 12.1578



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.



36.8797, 20.4786, 6.7117



41.5801, 21.5732, 3.1748



43.0170, 33.3346, 6.9651



15.1139, 15.0734, 15.8853



19.1495, 9.8625, 1.3226



1.5205, 0.7812, 0.1926

Inverse Universe

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



36.8797, 20.4786, 6.7117



41.5801, 21.5732, 3.1748



28.7763, 31.2845, 84.6420



15.1139, 15.0734, 15.8853



19.1495, 9.8625, 1.3226



1.5205, 0.7812, 0.1926

Previews

White Background



This preview shows how the XYZ color 36.8792, 20.4773, 6.7114 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 36.8792, 20.4773, 6.7114 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 36.8792, 20.4773, 6.7114

Background



This preview shows how black text looks on a background with the XYZ color 36.8792, 20.4773, 6.7114.



This preview shows how white text looks on a background with the XYZ color 36.8792, 20.4773,

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

36.8792, 20.4773, 6.7114

Protanopia

19.1285, 20.5394, 12.4075

Deuteranopia

20.9047, 20.5006, 5.9872



Tritanopia

36.6632, 20.5247, 5.1613

Trichromacy



Original Color

36.8792, 20.4773, 6.7114

Protanomaly

22.7359, 17.8992, 9.8460

Deuteranomaly

24.6115, 18.4188, 5.8724

Tritanomaly

36.7130, 20.4770, 5.6319

Monochromacy



Original Color

36.8792, 20.4773, 6.7114

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.4204, 14.1052, 11.4246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8792, 20.4773, 6.7114 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(237, 48, 63)` looks like.

```
.text, #text, p{  
    color:rgb(237, 48, 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(237, 48, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 48, 63) }
```

Border

The CSS property to change the border of an element to XYZ 36.8792, 20.4773, 6.7114 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(237, 48, 63) }
```


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

```
.border{ border-color:rgb(237, 48, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 48, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 48, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 48, 63);  
box-shadow:4px 4px 4px 4px rgb(237, 48,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8792, 20.4773, 6.7114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 48, 63) }
```

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

```
.background{ background-color: rgb(237, 48,  
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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