

Converting Colors

XYZ(39.3100, 20.1619, 17.9048)

Have a look what the booklet for
XYZ(39.3100, 20.1619, 17.9048)
contains.

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Color

**XYZ(39.2005, 20.1047,
18.0342)**

Conversions

Conversions Part 1

Format	Color
Hex	F00F73
RGB	240, 15, 115
RGB Percent	94%, 6%, 45%
CMY	0.0588, 0.9410, 0.5490
CMYK	0.00, 0.94, 0.52, 0.06
HSL	333°, 88%, 50%
HSV	333°, 94%, 94%
XYZ	39.2005, 20.1047, 18.0342
YIQ	93.6750, 102.0000, 78.8000

Conversions

Conversions Part 2

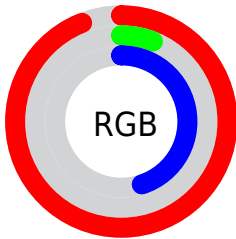
Format	Color
R_{YB}	240, 15, 115
Decimal	15732595
CIE _{Lab}	51.96, 79.27, 7.33
CIE _{LCh}	52, 79.608, 5.282
Yxy	20.1047, 0.5069, 0.2600
Android (android.graphics.Color)	4293922675 (0xFFFF00F73)
YUV	93.6750, 10.5132, 128.3270
Hunter-Lab	44.8383, 77.5892, 7.5400

Details

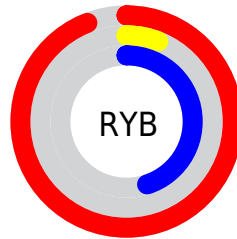
The XYZ color **39.2005, 20.1047, 18.0342** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark saturated rose. A complement of this color would be **36.0945, 64.3166, 35.3397**, and the grayscale version is **10.5275, 11.0758, 12.0615**.

A 20% lighter version of the original color is **52.6769, 32.9737, 40.1474**, and **19.1748, 9.7645, 6.3429** is the 20% darker color. If you saturate the color by 10%, you get **38.5700, 19.5792, 15.5574**, and if you desaturate by 10%, it is **40.5805, 21.5465, 22.5584**.

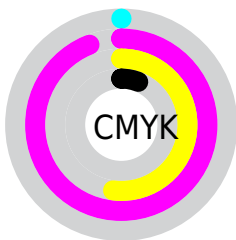
Distribution



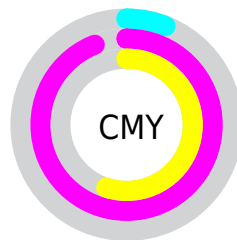
- Red (94%)
- Green (6%)
- Blue (45%)



- Red (94%)
- Yellow (6%)
- Blue (45%)



- Cyan (0%)
- Magenta (94%)
- Yellow (52%)
- Black (6%)



- Cyan (6%)
- Magenta (94%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2005, 20.1047, 18.0342 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 39.2005, 20.1047, 18.0342 by changing the saturation by 10% instead.

39.2005, 20.1047,
18.0342

39.2005, 20.1047,
18.0342

333.9347,
252.4814, 253.3063

27.0972, 12.4712,
10.8048

73.2366, 43.5927,
40.9103

17.7832, 7.0654,
5.8232

95.9001, 60.2159,
57.3942

10.8932, 3.5030,
2.6709

122.8144, 80.6044,
77.7999

6.0618, 1.3997,
0.9287

154.3448,
105.1427, 102.5461

2.9237, 0.2165,
0.0000

190.8567,
134.2152, 132.0513

1.1136, 0.0000,
0.0000

232.7154,

0.0364, 0.0000,

168.2062, 166.7341

0.0000

280.2862,
207.5001, 207.0129

■ 0.0000, 0.0000,
0.0000

■ 39.2005, 20.1047,
18.0342

■ 39.2005, 20.1047,
18.0342

■ 38.5700, 19.5792,
15.5574

■ 40.5805, 21.5465,
22.5584

■ 42.5729, 24.0283,
27.8564

■ 45.2639, 27.7156,
33.9779

■ 48.7243, 32.7437,
40.9661

■ 53.0156, 39.2296,
48.8605

■ 58.1929, 47.2775,
57.6974

■ 64.3061, 56.9817,
67.5108

■ 71.4015, 68.4294,
78.3327

■ 79.5220, 81.7012,
90.1935

Harmonies

Analogous

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



37.0435, 20.1047, 46.3518



39.2005, 20.1047, 18.0342



34.8579, 20.1047, 4.9089

Triad

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



39.2005, 20.1047, 18.0342



11.4484, 20.1047, 1.9336



13.3064, 20.1047, 92.5875

Complementary

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



39.2005, 20.1047, 18.0342



36.0945, 64.3166, 35.3397

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.



9.0034, 20.1047, 59.1023



39.2005, 20.1047, 18.0342



8.1625, 20.1047, 8.0314

Square

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



39.2005, 20.1047, 18.0342



17.7101, 20.1047, 0.7207



7.4145, 20.1047, 26.2609



20.5795, 20.1047, 103.1629

Rectangle

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



39.2005, 20.1047, 18.0342



29.4269, 20.1047, 1.8840



7.4145, 20.1047, 26.2609



11.5380, 20.1047, 82.8651

Sweetspot

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



39.2010, 20.1059, 18.0345



70.6052, 60.2981, 72.4270



26.5086, 12.1033, 83.3767



14.4780, 11.9020, 14.4749



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.



39.2010, 20.1059, 18.0345



44.2379, 22.4592, 17.7168



36.3975, 19.3116, 2.2627



16.0646, 15.8756, 17.8966



21.1785, 10.7438, 8.8567



1.8112, 0.9135, 0.9965

Inverse Universe

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



39.2010, 20.1059, 18.0345



44.2379, 22.4592, 17.7168



43.8765, 62.2945, 92.1492



16.0646, 15.8756, 17.8966



21.1785, 10.7438, 8.8567



1.8112, 0.9135, 0.9965

Previews

White Background



This preview shows how the XYZ color 39.2005, 20.1047, 18.0342 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 39.2005, 20.1047, 18.0342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

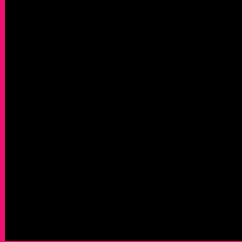
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.2005, 20.1047, 18.0342

Background



This preview shows how black text looks on a background with the XYZ color 39.2005, 20.1047, 18.0342.



This preview shows how white text looks on a background with the XYZ color 39.2005, 20.1047,

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

39.2005, 20.1047, 18.0342

Protanopia

20.7759, 20.4298, 38.9247

Deuteranopia

20.7679, 20.3822, 16.2042



Tritanopia

36.4547, 20.2428, 4.6752

Trichromacy



Original Color

39.2005, 20.1047, 18.0342



Protanomaly

22.7349, 15.8182, 29.4587



Deuteranomaly

24.3680, 16.7224, 16.4114



Tritanomaly

37.0306, 19.8471, 8.0100

Monochromacy



Original Color

39.2005, 20.1047, 18.0342



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

16.3212, 10.9429, 13.8224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2005, 20.1047, 18.0342 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(240, 15, 115)` looks like.

```
.text, #text, p{  
    color:rgb(240, 15, 115)  
}
```

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(240, 15, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 15, 115) }
```

Border

The CSS property to change the border of an element to XYZ 39.2005, 20.1047, 18.0342 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(240, 15, 115) }
```


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

```
.border{ border-color:rgb(240, 15, 115) }
```

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

Here you see how a box with a 4 pixel rgb(240, 15, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 15, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 15, 115);  
box-shadow:4px 4px 4px 4px rgb(240, 15,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2005, 20.1047, 18.0342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 15, 115) }
```

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

```
.background{ background-color: rgb(240, 15,  
115) }
```

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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