

Converting Colors

XYZ(39.4221, 20.1108, 11.4257)

Have a look what the booklet for
XYZ(39.4221, 20.1108, 11.4257)
contains.

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Color

**XYZ(39.5017, 20.1507,
11.4804)**

Conversions

Conversions Part 1

Format	Color
Hex	F5005A
RGB	245, 0, 90
RGB Percent	96%, 0%, 35%
CMY	0.0392, 0.9998, 0.6471
CMYK	0.00, 1.00, 0.63, 0.04
HSL	338°, 100%, 48%
HSV	338°, 100%, 96%
XYZ	39.5017, 20.1507, 11.4804
YIQ	83.5150, 117.1300, 79.9300

Conversions

Conversions Part 2

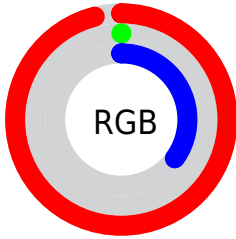
Format	Color
R_{YB}	245, 0, 90
Decimal	16056410
CIE _{Lab}	52.01, 80.00, 22.77
CIE _{LCh}	52, 83.175, 15.887
Yxy	20.1507, 0.5553, 0.2833
Android (android.graphics.Color)	4294246490 (0xFFFF5005A)
YUV	83.5150, 3.1971, 141.6223
Hunter-Lab	44.8895, 78.5190, 16.2594

Details

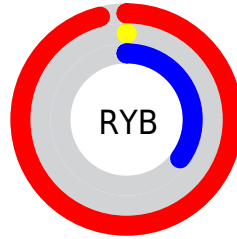
The XYZ color **39.5017, 20.1507, 11.4804** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **38.5747, 67.6736, 42.0670**, and the grayscale version is **8.3111, 8.7439, 9.5221**.

A 20% lighter version of the original color is **50.1565, 31.5192, 28.2512**, and **19.2960, 9.8928, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **39.4998, 20.1499, 11.4715**, and if you desaturate by 10%, it is **40.5702, 21.1194, 15.4391**.

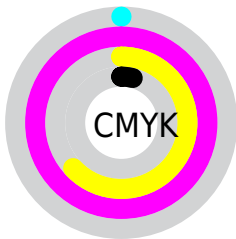
Distribution



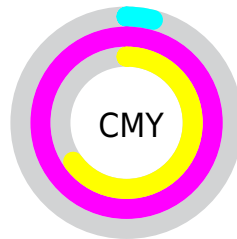
- Red (96%)
- Green (0%)
- Blue (35%)



- Red (96%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5017, 20.1507, 11.4804 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 39.5017, 20.1507, 11.4804 by changing the saturation by 10% instead.


 39.5017, 20.1507,
11.4804


 39.5017, 20.1507,
11.4804


335.1894,
252.7298, 211.7887


 27.3327, 12.5046,
6.2727


 73.6933, 43.6697,
29.1953


 17.9611, 7.0883,
2.9402


 96.4466, 60.3114,
42.5395


 11.0216, 3.5174,
1.0642


 123.4588, 80.7205,
59.4331

 6.1488, 1.4075,
0.0000

 155.0951,
105.2813, 80.2944

 2.9773, 0.2222,
0.0000

 191.7210,
134.3782, 105.5421

 1.1418, 0.0000,
0.0000

 233.7017,

 0.0596, 0.0000,

168.3957, 135.5947

0.0000

281.4028,
207.7181, 170.8707

■ 0.0000, 0.0000,
0.0000

■ 39.5017, 20.1507,
11.4804

■ 39.5017, 20.1507,
11.4804

■ 39.4998, 20.1499,
11.4715

■ 40.5702, 21.1194,
15.4391

■ 42.2087, 22.9950,
20.3057

■ 44.5562, 26.0440,
26.1625

■ 47.6984, 30.4271,
33.0717

■ 51.7081, 36.2794,
41.0891

■ 56.6493, 43.7193,
50.2657

■ 62.5795, 52.8530,
60.6492

■ 69.5518, 63.7773,
72.2841

■ 77.6150, 76.5819,
85.2125

Harmonies

Analogous

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



39.7138, 20.1507, 35.4080



39.5017, 20.1507, 11.4804



32.8898, 20.1507, 2.5924

Triad

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



39.5017, 20.1507, 11.4804



9.6700, 20.1507, 2.8465



15.4461, 20.1507, 105.5181

Complementary

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



39.5017, 20.1507, 11.4804



38.5747, 67.6736, 42.0670

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.



9.8982, 20.1507, 75.4356



39.5017, 20.1507, 11.4804



7.2932, 20.1507, 12.4116

Square

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



39.5017, 20.1507, 11.4804



15.0273, 20.1507, 0.6761



7.3621, 20.1507, 37.3650



23.9712, 20.1507, 104.4552

Rectangle

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



39.5017, 20.1507, 11.4804



26.6149, 20.1507, 0.9613



7.3621, 20.1507, 37.3650



13.2345, 20.1507, 98.1061

Sweetspot

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



39.5022, 20.1520, 11.4807



68.4724, 57.7851, 66.3136



29.2645, 13.1835, 87.3880



14.0404, 11.4154, 13.1313



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.



39.5022, 20.1520, 11.4807



43.2439, 22.0616, 12.4825



38.0869, 20.2737, 1.9076



16.7507, 16.5831, 18.4336



21.3403, 10.8796, 6.5005



1.9233, 0.9753, 0.8227

Inverse Universe

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



39.5022, 20.1520, 11.4807



43.2439, 22.0616, 12.4825



41.1467, 55.9220, 95.0112



16.7507, 16.5831, 18.4336



21.3403, 10.8796, 6.5005



1.9233, 0.9753, 0.8227

Previews

White Background



This preview shows how the XYZ color 39.5017, 20.1507, 11.4804 looks on a white background.

Color Contrast Check

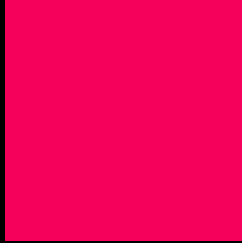
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.5017, 20.1507, 11.4804 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 39.5017, 20.1507, 11.4804

Background



This preview shows how black text looks on a background with the XYZ color 39.5017, 20.1507, 11.4804.



This preview shows how white text looks on a background with the XYZ color 39.5017, 20.1507,

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

39.5017, 20.1507, 11.4804

Protanopia

20.1027, 20.7688, 24.7790

Deuteranopia

20.8903, 20.5768, 10.2678



Tritanopia

37.8675, 20.4262, 3.3857

Trichromacy



Original Color

39.5017, 20.1507, 11.4804

Protanomaly

22.4417, 15.4567, 18.6303

Deuteranomaly

24.1534, 16.1077, 10.0197

Tritanomaly

38.2805, 20.1122, 5.3545

Monochromacy



Original Color

39.5017, 20.1507, 11.4804

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

14.2805, 9.0577, 9.7997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5017, 20.1507, 11.4804 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(245, 0, 90)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 90)  
}
```

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(245, 0, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 39.5017, 20.1507, 11.4804 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(245, 0, 90) }
```


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

```
.border{ border-color:rgb(245, 0, 90) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.5017, 20.1507, 11.4804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 90) }
```

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

```
.background{ background-color: rgb(245, 0,  
90) }
```

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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