

Converting Colors

XYZ(39.3765, 20.1006, 10.8213)

Have a look what the booklet for
XYZ(39.3765, 20.1006, 10.8213)
contains.

XYZ(39.3765, 20.1006, 10.8213)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.3765, 20.1006,
10.8213)**

Conversions

Conversions Part 1

Format	Color
Hex	F50057
RGB	245, 0, 87
RGB Percent	96%, 0%, 34%
CMY	0.0392, 0.9998, 0.6588
CMYK	0.00, 1.00, 0.64, 0.04
HSL	339°, 100%, 48%
HSV	339°, 100%, 96%
XYZ	39.3765, 20.1006, 10.8213
YIQ	83.1730, 118.0930, 78.9970

Conversions

Conversions Part 2

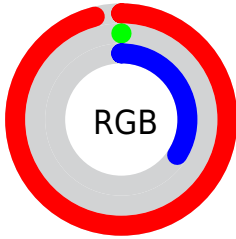
Format	Color
RYB	245, 0, 87
Decimal	16056407
CIELab	51.95, 79.85, 24.52
CIELCh	52, 83.525, 17.068
Yxy	20.1006, 0.5601, 0.2859
Android (android.graphics.Color)	4294246487 (0xFFFF50057)
YUV	83.1730, 1.8867, 141.9223
Hunter-Lab	44.8337, 78.3139, 17.0730

Details

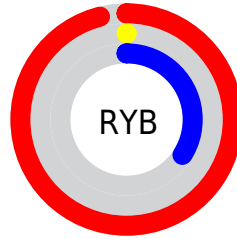
The XYZ color **39.3765, 20.1006, 10.8213** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **38.8298, 67.7756, 43.4109**, and the grayscale version is **8.2436, 8.6729, 9.4448**.

A 20% lighter version of the original color is **49.8668, 31.4033, 26.7257**, and **19.2584, 9.8777, 3.1771** is the 20% darker color. If you saturate the color by 10%, you get **39.3746, 20.0998, 10.8127**, and if you desaturate by 10%, it is **40.4327, 21.0644, 14.7154**.

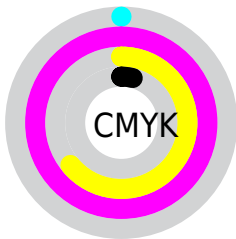
Distribution



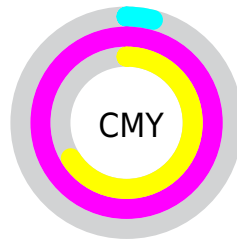
- Red (96%)
- Green (0%)
- Blue (34%)



- Red (96%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3765, 20.1006, 10.8213 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 39.3765, 20.1006, 10.8213 by changing the saturation by 10% instead.


 39.3765, 20.1006,
10.8213

 39.3765, 20.1006,
10.8213


334.6682,
252.4592, 207.1307


 27.2348, 12.4682,
5.8341


 73.5035, 43.5858,
27.9608

 17.8871, 7.0634,
2.6773


 96.2195, 60.2073,
40.9503


 10.9682, 3.5018,
0.9320


 123.1911, 80.5941,
57.4442

 6.1126, 1.3990,
0.0000

 154.7834,
105.1304, 77.8613

 2.9550, 0.2160,
0.0000

 191.3619,
134.2007, 102.6199

 1.1300, 0.0000,
0.0000

 233.2920,

 0.0500, 0.0000,

168.1893, 132.1386

0.0000

280.9390,
207.4807, 166.8360

■ 0.0000, 0.0000,
0.0000

■ 39.3765, 20.1006,
10.8213

■ 39.3765, 20.1006,
10.8213

■ 39.3746, 20.0998,
10.8127

■ 40.4327, 21.0644,
14.7154

■ 42.0632, 22.9367,
19.5400

■ 44.4075, 25.9844,
25.3803

■ 47.5519, 30.3684,
32.3009

■ 51.5695, 36.2238,
40.3600

■ 56.5247, 43.6693,
49.6105

■ 62.4755, 52.8111,
60.1021

■ 69.4751, 63.7463,
71.8811

■ 77.5727, 76.5646,
84.9914

Harmonies

Analogous

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



39.8731, 20.1006, 34.1220



39.3765, 20.1006, 10.8213



32.5403, 20.1006, 2.3905

Triad

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



39.3765, 20.1006, 10.8213



9.4627, 20.1006, 2.9790



15.6757, 20.1006, 106.5529

Complementary

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



39.3765, 20.1006, 10.8213



38.8298, 67.7756, 43.4109

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.



9.9946, 20.1006, 77.1617



39.3765, 20.1006, 10.8213



7.1923, 20.1006, 12.9930

Square

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



39.3765, 20.1006, 10.8213



14.6980, 20.1006, 0.6798



7.3526, 20.1006, 38.7010



24.3151, 20.1006, 104.0605

Rectangle

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



39.3765, 20.1006, 10.8213



26.2073, 20.1006, 0.8841



7.3526, 20.1006, 38.7010



13.4180, 20.1006, 99.4982

Sweetspot

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



39.3770, 20.1019, 10.8216



68.3585, 57.7395, 65.7137



30.0359, 13.5812, 87.4241



14.0138, 11.4047, 12.9912



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.



39.3770, 20.1019, 10.8216



43.1072, 22.0069, 11.7628



38.1925, 20.4848, 1.9428



16.7421, 16.5797, 18.3884



21.2717, 10.8521, 6.1389



1.9166, 0.9726, 0.7873

Inverse Universe

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



39.3770, 20.1019, 10.8216



43.1072, 22.0069, 11.7628



40.1110, 53.8506, 94.6659



16.7421, 16.5797, 18.3884



21.2717, 10.8521, 6.1389



1.9166, 0.9726, 0.7873

Previews

White Background



This preview shows how the XYZ color 39.3765, 20.1006, 10.8213 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 39.3765, 20.1006, 10.8213 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 39.3765, 20.1006, 10.8213

Background



This preview shows how black text looks on a background with the XYZ color 39.3765, 20.1006, 10.8213.



This preview shows how white text looks on a background with the XYZ color 39.3765, 20.1006,

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

39.3765, 20.1006, 10.8213

Protanopia

19.9823, 20.7378, 23.3717

Deuteranopia

20.9699, 20.6301, 9.7143



Tritanopia

37.8105, 20.3557, 3.2325

Trichromacy



Original Color

39.3765, 20.1006, 10.8213



Protanomaly

22.4269, 15.4756, 17.4279



Deuteranomaly

24.2821, 16.1872, 9.4340



Tritanomaly

38.1927, 20.0459, 4.9882

Monochromacy



Original Color

39.3765, 20.1006, 10.8213



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

14.0287, 8.9371, 9.3731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3765, 20.1006, 10.8213 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 87) }
```

Border

The CSS property to change the border of an element to XYZ 39.3765, 20.1006, 10.8213 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, 87) }
```


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

```
.border{ border-color:rgb(245, 0, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.3765, 20.1006, 10.8213 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, 87) }
```

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

```
.background{ background-color: rgb(245, 0,  
87) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor