

Converting Colors

XYZ(39.5249, 20.0499, 16.5733)

Have a look what the booklet for
XYZ(39.5249, 20.0499, 16.5733)
contains.

| | |
|--|----|
| XYZ(39.4324, 20.0030, 16.5345) | 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(39.4324, 20.0030,
16.5345)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F2006E |
| RGB | 242, 0, 110 |
| RGB Percent | 95%, 0%, 43% |
| CMY | 0.0510, 0.9998, 0.5686 |
| CMYK | 0.00, 1.00, 0.55, 0.05 |
| HSL | 333°, 100%, 47% |
| HSV | 333°, 100%, 95% |
| XYZ | 39.4324, 20.0030, 16.5345 |
| YIQ | 84.8980, 108.9220, 85.5140 |

Conversions

Conversions Part 2

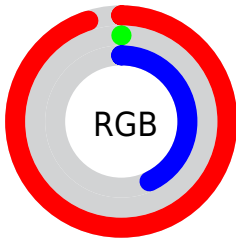
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 242, 0, 110 |
| Decimal | 15859822 |
| CIE Lab | 51.84, 80.50, 10.26 |
| CIE LCh | 52, 81.149, 7.267 |
| Yxy | 20.0030, 0.5191, 0.2633 |
| Android (android.graphics.Color) | 4294049902 (0xFFFF2006E) |
| YUV | 84.8980, 12.3753, 137.7785 |
| Hunter-Lab | 44.7247, 79.1097, 9.3881 |

Details

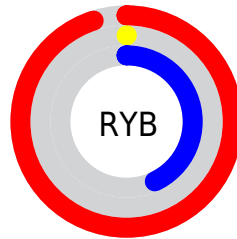
The XYZ color **39.4324, 20.0030, 16.5345** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **35.9215, 65.1719, 32.5365**, and the grayscale version is **8.5790, 9.0257, 9.8290**.

A 20% lighter version of the original color is **51.8559, 32.1990, 37.2001**, and **19.2573, 9.8239, 5.5838** is the 20% darker color. If you saturate the color by 10%, you get **39.4306, 20.0023, 16.5255**, and if you desaturate by 10%, it is **40.5377, 20.9763, 20.7180**.

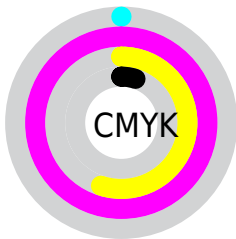
Distribution



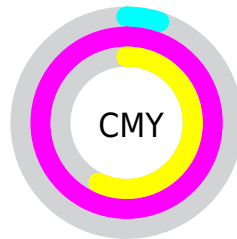
- Red (95%)
- Green (0%)
- Blue (43%)



- Red (95%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4324, 20.0030, 16.5345 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 39.4324, 20.0030, 16.5345 by changing the saturation by 10% instead.


 39.4324, 20.0030,
16.5345


 39.4324, 20.0030,
16.5345


334.9010,
251.9314, 244.4278


 27.2785, 12.3972,
9.7447


 73.5883, 43.4222,
38.3033

 17.9202, 7.0148,
5.1267


 96.3209, 60.0044,
54.1194


 10.9920, 3.4714,
2.2617


 123.3106, 80.3476,
73.7813

 6.1287, 1.3825,
0.7097

 154.9226,
104.8361, 97.7077

 2.9649, 0.2038,
0.0000

 191.5223,
133.8543, 126.3170

 1.1352, 0.0000,
0.0000

 233.4750,

 0.0543, 0.0000,

167.7867, 160.0277

0.0000

281.1461,
207.0176, 199.2585

■ 0.0000, 0.0000,
0.0000

■ 39.4324, 20.0030,
16.5345

■ 39.4324, 20.0030,
16.5345

■ 39.4306, 20.0023,
16.5255

■ 40.5377, 20.9763,
20.7180

■ 42.1664, 22.8179,
25.6262

■ 44.4515, 25.7868,
31.3241

■ 47.4734, 30.0379,
37.8581

■ 51.3002, 35.7011,
45.2696

■ 55.9917, 42.8904,
53.5963

■ 61.6017, 51.7079,
62.8732

■ 68.1797, 62.2469,
73.1332

■ 75.7711, 74.5936,
84.4074

Harmonies

Analogous

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



37.6664, 20.0030, 44.4143



39.4324, 20.0030, 16.5345



34.5957, 20.0030, 4.2473

Triad

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



39.4324, 20.0030, 16.5345



10.9481, 20.0030, 1.9567



13.5280, 20.0030, 96.0491

Complementary

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



39.4324, 20.0030, 16.5345



35.9215, 65.1719, 32.5365

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.



8.9928, 20.0030, 62.3753



39.4324, 20.0030, 16.5345



7.8313, 20.0030, 8.5388

Square

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



39.4324, 20.0030, 16.5345



17.0796, 20.0030, 0.6210



7.2367, 20.0030, 28.0316



21.0854, 20.0030, 104.7931

Rectangle

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



39.4324, 20.0030, 16.5345



28.9197, 20.0030, 1.5724



7.2367, 20.0030, 28.0316



11.6735, 20.0030, 86.4959

Sweetspot

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



39.4329, 20.0042, 16.5348



69.3037, 58.1176, 70.6910



25.0950, 11.0865, 84.8213



14.2353, 11.4934, 14.1579



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.



39.4329, 20.0042, 16.5348



44.3852, 22.5181, 18.4924



36.7063, 19.0536, 1.7447



16.0715, 15.8783, 17.9326



21.2495, 10.7722, 9.2304



1.8173, 0.9160, 1.0288

Inverse Universe

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



39.4329, 20.0042, 16.5348



44.3852, 22.5181, 18.4924



45.4319, 65.2197, 94.1982



16.0715, 15.8783, 17.9326



21.2495, 10.7722, 9.2304



1.8173, 0.9160, 1.0288

Previews

White Background



This preview shows how the XYZ color 39.4324, 20.0030, 16.5345 looks on a white background.

Color Contrast Check

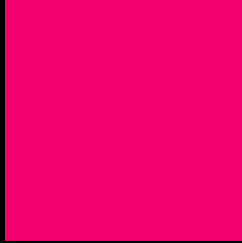
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.4324, 20.0030, 16.5345 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 39.4324, 20.0030, 16.5345

Background



This preview shows how black text looks on a background with the XYZ color 39.4324, 20.0030, 16.5345.



This preview shows how white text looks on a background with the XYZ color 39.4324, 20.0030,

16.5345.

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

39.4324, 20.0030, 16.5345

Protanopia

20.7553, 20.6664, 36.1528

Deuteranopia

20.8708, 20.4640, 14.9065



Tritanopia

36.9333, 20.3265, 4.2623

Trichromacy



Original Color

39.4324, 20.0030, 16.5345



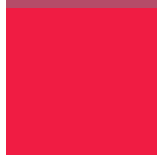
Protanomaly

22.5788, 15.2263, 27.3401



Deuteranomaly

24.1392, 15.9921, 14.9112



Tritanomaly

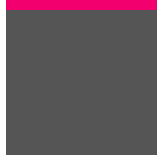
37.3636, 19.7610, 7.1552

Monochromacy



Original Color

39.4324, 20.0030, 16.5345



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.4949, 9.1973, 11.6010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4324, 20.0030, 16.5345 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(242, 0, 110)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 110)  
}
```

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(242, 0, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 110) }
```

Border

The CSS property to change the border of an element to XYZ 39.4324, 20.0030, 16.5345 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(242, 0, 110) }
```


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

```
.border{ border-color:rgb(242, 0, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 110);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4324, 20.0030, 16.5345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 110) }
```

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

```
.background{ background-color: rgb(242, 0,  
110) }
```

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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