

Converting Colors

XYZ(40.3165, 20.6716, 8.5193)

Have a look what the booklet for
XYZ(40.3165, 20.6716, 8.5193)
contains.

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Color

**XYZ(40.3586, 20.6912,
8.5233)**

Conversions

Conversions Part 1

Format	Color
Hex	F9024B
RGB	249, 2, 75
RGB Percent	98%, 1%, 29%
CMY	0.0235, 0.9919, 0.7059
CMYK	0.00, 0.99, 0.70, 0.02
HSL	342°, 98%, 49%
HSV	342°, 99%, 98%
XYZ	40.3586, 20.6912, 8.5233
YIQ	84.1750, 123.7790, 75.0670

Conversions

Conversions Part 2

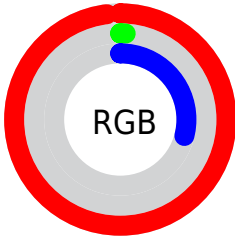
Format	Color
R_{YB}	249, 2, 75
Decimal	16319051
CIE _{Lab}	52.61, 80.08, 32.74
CIE _{LCh}	53, 86.512, 22.236
Yxy	20.6912, 0.5801, 0.2974
Android (android.graphics.Color)	4294509131 (0xFFFF9024B)
YUV	84.1750, -4.5233, 144.5515
Hunter-Lab	45.4876, 78.7699, 20.7318

Details

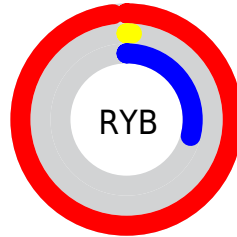
The XYZ color **40.3586, 20.6912, 8.5233** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **41.7445, 70.9014, 52.5949**, and the grayscale version is **8.4620, 8.9027, 9.6950**.

A 20% lighter version of the original color is **49.0898, 31.2394, 22.1814**, and **19.7892, 10.1716, 2.2868** is the 20% darker color. If you saturate the color by 10%, you get **40.2872, 20.6278, 8.2562**, and if you desaturate by 10%, it is **41.4136, 21.7043, 12.2575**.

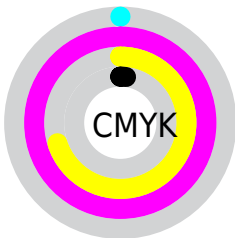
Distribution



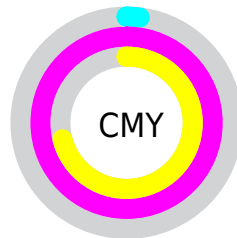
- Red (98%)
- Green (1%)
- Blue (29%)



- Red (98%)
- Yellow (1%)
- Blue (29%)



- Cyan (0%)
- Magenta (99%)
- Yellow (70%)
- Black (2%)





- Cyan (2%)
- Magenta (99%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3586, 20.6912, 8.5233 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 40.3586, 20.6912, 8.5233 by changing the saturation by 10% instead.


 40.3586, 20.6912,
8.5233


 40.3586, 20.6912,
8.5233


338.7413,
255.6328, 189.8660


 28.0037, 12.8985,
4.3390


 74.9901, 44.5730,
23.5410

 18.4689, 7.3587,
1.8131


 97.9975, 61.4309,
35.2115


 11.3889, 3.6874,
0.4366


 125.2864, 82.0793,
50.2145

 6.3983, 1.5003,
0.0000

 157.2222,
106.9026, 68.9686

 3.1317, 0.2889,
0.0000

 194.1702,
136.2852, 91.8922

 1.2238, 0.0000,
0.0000

 236.4958,

 0.1250, 0.0000,

170.6116, 119.4040

0.0000

284.5644,
210.2659, 151.9224

■ 0.0000, 0.0000,
0.0000

■ 40.3586, 20.6912,
8.5233

■ 40.3586, 20.6912,
8.5233

■ 40.2872, 20.6278,
8.2562

■ 41.4136, 21.7043,
12.2575

■ 43.1082, 23.7117,
17.0829

■ 45.5768, 26.9641,
23.0997

■ 48.9105, 31.6274,
30.3891

■ 53.1870, 37.8419,
39.0241

■ 58.4751, 45.7306,
49.0718

■ 64.8367, 55.4041,
60.5943

■ 72.3289, 66.9635,
73.6500

■ 81.0043, 80.5023,
88.2939

Harmonies

Analogous

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



42.2032, 20.6912, 29.8885



40.3586, 20.6912, 8.5233



32.2429, 20.6912, 1.6913

Triad

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



40.3586, 20.6912, 8.5233



8.9343, 20.6912, 3.7918



17.4256, 20.6912, 115.5677

Complementary

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



40.3586, 20.6912, 8.5233



41.7445, 70.9014, 52.5949

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.



10.8771, 20.6912, 88.5504



40.3586, 20.6912, 8.5233



7.0432, 20.6912, 16.4895

Square

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



40.3586, 20.6912, 8.5233



13.8315, 20.6912, 0.7430



7.6260, 20.6912, 46.8884



26.9473, 20.6912, 106.2448

Rectangle

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



40.3586, 20.6912, 8.5233



25.4162, 20.6912, 0.5816



7.6260, 20.6912, 46.8884



14.8565, 20.6912, 109.9975

Sweetspot

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



40.3591, 20.6925, 8.5236



67.8138, 57.5216, 62.8451



34.7825, 15.9892, 90.8747



13.8870, 11.3540, 12.3235



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.



40.3591, 20.6925, 8.5236



42.5208, 21.7723, 8.6746



40.2818, 22.5518, 2.2893



17.4555, 17.3096, 18.9885



21.6192, 11.0634, 4.7032



2.0466, 1.0424, 0.6688

Inverse Universe

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



40.3591, 20.6925, 8.5236



42.5208, 21.7723, 8.6746



37.6894, 47.9825, 96.8969



17.4555, 17.3096, 18.9885



21.6192, 11.0634, 4.7032



2.0466, 1.0424, 0.6688

Previews

White Background



This preview shows how the XYZ color 40.3586, 20.6912, 8.5233 looks on a white background.

Color Contrast Check

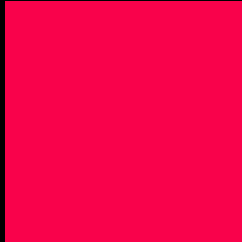
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3586, 20.6912, 8.5233 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 40.3586, 20.6912, 8.5233

Background



This preview shows how black text looks on a background with the XYZ color 40.3586, 20.6912, 8.5233.



This preview shows how white text looks on a background with the XYZ color 40.3586, 20.6912,

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

40.3586, 20.6912, 8.5233

Protanopia

20.1315, 21.3130, 18.0917

Deuteranopia

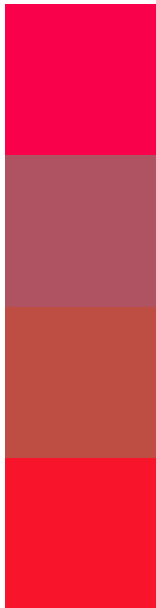
21.4449, 21.1015, 7.6454



Tritanopia

39.3769, 21.0066, 2.8990

Trichromacy



Original Color

40.3586, 20.6912, 8.5233

Protanomaly

22.9011, 16.0304, 13.4424

Deuteranomaly

24.9727, 16.8012, 7.2369

Tritanomaly

39.3976, 20.6312, 4.1912

Monochromacy



Original Color

40.3586, 20.6912, 8.5233

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

14.3060, 9.1617, 8.7990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3586, 20.6912, 8.5233 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(249, 2, 75)` looks like.

```
.text, #text, p{  
    color:rgb(249, 2, 75)  
}
```

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(249, 2, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 2, 75) }
```

Border

The CSS property to change the border of an element to XYZ 40.3586, 20.6912, 8.5233 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(249, 2, 75) }
```


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

```
.border{ border-color:rgb(249, 2, 75) }
```

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

Here you see how a box with a 4 pixel rgb(249, 2, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 2, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 2, 75);  
box-shadow:4px 4px 4px 4px rgb(249, 2, 75)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.3586, 20.6912, 8.5233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 2, 75) }
```

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

```
.background{ background-color: rgb(249, 2,  
75) }
```

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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