

Converting Colors

XYZ(40.3533, 20.7060, 12.2782)

Have a look what the booklet for
XYZ(40.3533, 20.7060, 12.2782)
contains.

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Color

**XYZ(40.4204, 20.7381,
12.2284)**

Conversions

Conversions Part 1

Format	Color
Hex	F7085D
RGB	247, 8, 93
RGB Percent	97%, 3%, 36%
CMY	0.0314, 0.9684, 0.6353
CMYK	0.00, 0.97, 0.62, 0.03
HSL	339°, 94%, 50%
HSV	339°, 97%, 97%
XYZ	40.4204, 20.7381, 12.2284
YIQ	89.1510, 115.1590, 77.1030

Conversions

Conversions Part 2

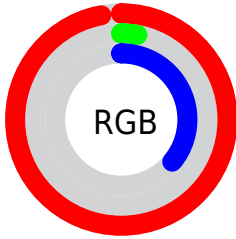
Format	Color
RYB	247, 8, 93
Decimal	16189533
CIELab	52.66, 80.05, 21.89
CIElCh	53, 82.986, 15.293
Yxy	20.7381, 0.5508, 0.2826
Android (android.graphics.Color)	4294379613 (0xFFFF7085D)
YUV	89.1510, 1.8976, 138.4336
Hunter-Lab	45.5391, 78.7427, 15.9565

Details

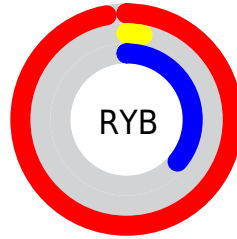
The XYZ color **40.4204, 20.7381, 12.2284** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **39.8885, 69.1840, 45.4621**, and the grayscale version is **9.5144, 10.0099, 10.9008**.

A 20% lighter version of the original color is **50.5656, 31.9785, 29.4940**, and **19.8249, 10.1585, 3.7122** is the 20% darker color. If you saturate the color by 10%, you get **40.1110, 20.4754, 11.0282**, and if you desaturate by 10%, it is **41.6509, 21.9510, 16.4871**.

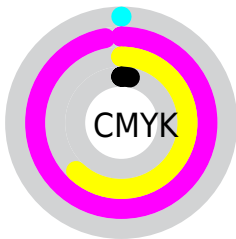
Distribution



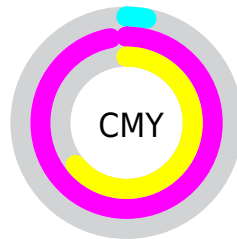
- Red (97%)
- Green (3%)
- Blue (36%)



- Red (97%)
- Yellow (3%)
- Blue (36%)



- Cyan (0%)
- Magenta (97%)
- Yellow (62%)
- Black (3%)





- Cyan (3%)
- Magenta (97%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4204, 20.7381, 12.2284 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 40.4204, 20.7381, 12.2284 by changing the saturation by 10% instead.


 40.4204, 20.7381,
12.2284


 40.4204, 20.7381,
12.2284


338.9964,
255.8834, 216.9429


 28.0521, 12.9327,
6.7750


 75.0835, 44.6513,
30.5810

 18.5056, 7.3822,
3.2455


 98.1091, 61.5278,
44.3173


 11.4155, 3.7023,
1.2213


 125.4179, 82.1968,
61.6516

 6.4164, 1.5084,
0.0000

 157.3751,
107.0428, 83.0025

 3.1429, 0.2947,
0.0000

 194.3463,
136.4500, 108.7886

 1.2298, 0.0000,
0.0000

 236.6966,

 0.1297, 0.0000,

170.8029, 139.4283

0.0000

284.7916,
210.4859, 175.3402

■ 0.0000, 0.0000,
0.0000

■ 40.4204, 20.7381,
12.2284

■ 40.4204, 20.7381,
12.2284

■ 40.1110, 20.4754,
11.0282

■ 41.6509, 21.9510,
16.4871

■ 43.5350, 24.2227,
21.7292

■ 46.1768, 27.7489,
28.0276

■ 49.6592, 32.6839,
35.4457

■ 54.0534, 39.1594,
44.0410

■ 59.4229, 47.2919,
53.8661

■ 65.8251, 57.1865,
64.9705

■ 73.3128, 68.9398,
77.4004

■ 81.9353, 82.6409,
91.1998

Harmonies

Analogous

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



40.4913, 20.7381, 36.9084



40.4204, 20.7381, 12.2284



33.8273, 20.7381, 2.8529

Triad

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



40.4204, 20.7381, 12.2284



10.1191, 20.7381, 2.9404



15.7941, 20.7381, 106.6915

Complementary

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



40.4204, 20.7381, 12.2284



39.8885, 69.1840, 45.4621

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.



10.1962, 20.7381, 75.9361



40.4204, 20.7381, 12.2284



7.6297, 20.7381, 12.5430

Square

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



40.4204, 20.7381, 12.2284



15.6531, 20.7381, 0.7515



7.6531, 20.7381, 37.5637



24.4157, 20.7381, 106.3377

Rectangle

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



40.4204, 20.7381, 12.2284



27.4853, 20.7381, 1.0816



7.6531, 20.7381, 37.5637



13.5611, 20.7381, 99.0235

Sweetspot

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



40.4209, 20.7394, 12.2287



69.0779, 58.8496, 66.9668



31.2512, 14.3011, 89.1086



14.1504, 11.6138, 13.2348



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.



40.4209, 20.7394, 12.2287



43.1132, 22.0093, 11.7942



39.1578, 21.3039, 2.2797



16.7425, 16.5798, 18.3904



21.2747, 10.8533, 6.1547



1.9169, 0.9727, 0.7889

Inverse Universe

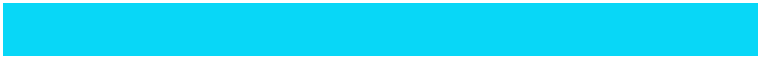
The Inverse Universe completely reimagines the original color for something new.



40.4209, 20.7394, 12.2287



43.1132, 22.0093, 11.7942



41.2257, 55.4401, 96.5235



16.7425, 16.5798, 18.3904



21.2747, 10.8533, 6.1547



1.9169, 0.9727, 0.7889

Previews

White Background



This preview shows how the XYZ color 40.4204, 20.7381, 12.2284 looks on a white background.

Color Contrast Check

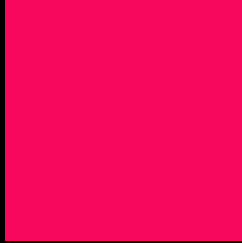
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.4204, 20.7381, 12.2284 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 40.4204, 20.7381, 12.2284

Background



This preview shows how black text looks on a background with the XYZ color 40.4204, 20.7381, 12.2284.



This preview shows how white text looks on a background with the XYZ color 40.4204, 20.7381,

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

40.4204, 20.7381, 12.2284

Protanopia

20.5090, 21.1349, 26.2911

Deuteranopia

21.3093, 20.9593, 10.9051



Tritanopia

38.6527, 20.9201, 3.5909

Trichromacy



Original Color

40.4204, 20.7381, 12.2284



Protanomaly

23.0610, 16.0886, 19.6593



Deuteranomaly

25.0419, 16.9740, 10.7606



Tritanomaly

39.1118, 20.6622, 5.6682

Monochromacy



Original Color

40.4204, 20.7381, 12.2284



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.3154, 10.0809, 10.8115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4204, 20.7381, 12.2284 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(247, 8, 93)` looks like.

```
.text, #text, p{  
    color:rgb(247, 8, 93)  
}
```

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(247, 8, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 8, 93) }
```

Border

The CSS property to change the border of an element to XYZ 40.4204, 20.7381, 12.2284 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(247, 8, 93) }
```


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

```
.border{ border-color:rgb(247, 8, 93) }
```

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

Here you see how a box with a 4 pixel rgb(247, 8, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 8, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 8, 93);  
box-shadow:4px 4px 4px 4px rgb(247, 8, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.4204, 20.7381, 12.2284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 8, 93) }
```

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

```
.background{ background-color: rgb(247, 8,  
93) }
```

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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