

Converting Colors

XYZ(38.4971, 16.7660, 18.1420)

Have a look what the booklet for
XYZ(38.4971, 16.7660, 18.1420)
contains.

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Color

**XYZ(40.1730, 20.3390,
18.6381)**

Conversions

Conversions Part 1

Format	Color
Hex	F30075
RGB	243, 0, 117
RGB Percent	95%, 0%, 46%
CMY	0.0471, 0.9998, 0.5412
CMYK	0.00, 1.00, 0.52, 0.05
HSL	331°, 100%, 48%
HSV	331°, 100%, 95%
XYZ	40.1730, 20.3390, 18.6381
YIQ	85.9950, 107.2710, 87.9030

Conversions

Conversions Part 2

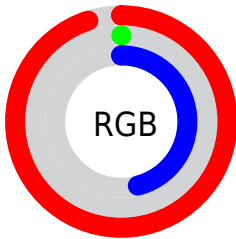
Format	Color
RYB	243, 0, 117
Decimal	15925365
CIELab	52.22, 81.19, 6.57
CIELCh	52, 81.455, 4.626
Yxy	20.3390, 0.5076, 0.2570
Android (android.graphics.Color)	4294115445 (0xFF30075)
YUV	85.9950, 15.2855, 137.6934
Hunter-Lab	45.0988, 80.0810, 7.0662

Details

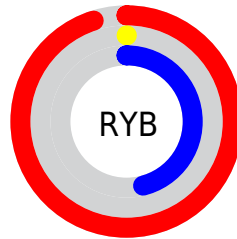
The XYZ color **40.1730, 20.3390, 18.6381** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **35.8208, 65.6091, 30.5339**, and the grayscale version is **8.8037, 9.2622, 10.0865**.

A 20% lighter version of the original color is **52.6761, 32.6740, 41.0665**, and **19.8966, 10.1330, 6.5374** is the 20% darker color. If you saturate the color by 10%, you get **40.1711, 20.3383, 18.6289**, and if you desaturate by 10%, it is **41.2987, 21.3238, 22.9190**.

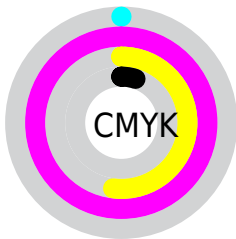
Distribution



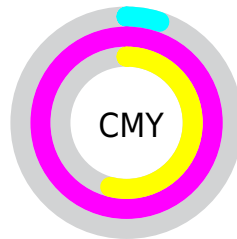
- Red (95%)
- Green (0%)
- Blue (46%)



- Red (95%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1730, 20.3390, 18.6381 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 40.1730, 20.3390, 18.6381 by changing the saturation by 10% instead.


 40.1730, 20.3390,
18.6381


 40.1730, 20.3390,
18.6381


337.9741,
253.7445, 256.7993


 27.8583, 12.6417,
11.2349


 74.7095, 43.9848,
41.9502


 18.3588, 7.1823,
6.1089


 97.6621, 60.7021,
58.6962

 11.3091, 3.5764,
2.8416


 124.8912, 81.1949,
79.3935

 6.3440, 1.4395,
1.0143

 156.7624,
105.8475, 104.4607

 3.0980, 0.2456,
0.0000

 193.6409,
135.0444, 134.3164

 1.2058, 0.0000,
0.0000

 235.8921,

 0.1109, 0.0000,

169.1699, 169.3790

0.0000

283.8814,
208.6085, 210.0671

■ 0.0000, 0.0000,
0.0000

■ 40.1730, 20.3390,
18.6381

■ 40.1730, 20.3390,
18.6381

■ 40.1711, 20.3383,
18.6289

■ 41.2987, 21.3238,
22.9190

■ 42.9440, 23.1819,
27.8836

■ 45.2421, 26.1743,
33.5940

■ 48.2738, 30.4570,
40.0937

■ 52.1071, 36.1612,
47.4215

■ 56.8020, 43.4017,
55.6125

■ 62.4124, 52.2816,
64.6993

■ 68.9876, 62.8949,
74.7127

■ 76.5732, 75.3284,
85.6814

Harmonies

Analogous

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



37.7835, 20.3390, 48.2919



40.1730, 20.3390, 18.6381



35.7938, 20.3390, 4.9403

Triad

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



40.1730, 20.3390, 18.6381



11.5644, 20.3390, 1.7623



13.2321, 20.3390, 95.1555

Complementary

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



40.1730, 20.3390, 18.6381



35.8208, 65.6091, 30.5339

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.



8.8963, 20.3390, 59.9272



40.1730, 20.3390, 18.6381



8.1460, 20.3390, 7.7018

Square

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



40.1730, 20.3390, 18.6381



18.0646, 20.3390, 0.6182



7.3330, 20.3390, 26.0679



20.6566, 20.3390, 106.9462

Rectangle

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



40.1730, 20.3390, 18.6381



30.2032, 20.3390, 1.8268



7.3330, 20.3390, 26.0679



11.4430, 20.3390, 84.8349

Sweetspot

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



40.1735, 20.3402, 18.6384



69.5675, 58.2231, 72.0801



24.7203, 10.8759, 85.5900



14.2975, 11.5182, 14.4852



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.



40.1735, 20.3402, 18.6384



44.7993, 22.6837, 20.6731



37.0069, 19.1439, 1.7463



16.8314, 16.6154, 18.8588



22.1149, 11.1894, 10.5792



1.9953, 1.0041, 1.2019

Inverse Universe

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



40.1735, 20.3402, 18.6384



44.7993, 22.6837, 20.6731



47.0303, 68.1754, 95.4741



16.8314, 16.6154, 18.8588



22.1149, 11.1894, 10.5792



1.9953, 1.0041, 1.2019

Previews

White Background



This preview shows how the XYZ color 40.1730, 20.3390, 18.6381 looks on a white background.

Color Contrast Check

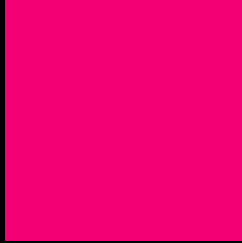
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.1730, 20.3390, 18.6381 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 40.1730, 20.3390, 18.6381

Background



This preview shows how black text looks on a background with the XYZ color 40.1730, 20.3390, 18.6381.



This preview shows how white text looks on a background with the XYZ color 40.1730, 20.3390,

18.6381.

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

40.1730, 20.3390, 18.6381

Protanopia

21.3051, 21.0425, 40.4748

Deuteranopia

21.1683, 20.7560, 16.8005



Tritanopia

37.4448, 20.7556, 4.6174

Trichromacy



Original Color

40.1730, 20.3390, 18.6381



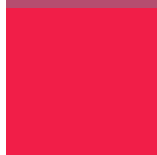
Protanomaly

22.8709, 15.4129, 30.6237



Deuteranomaly

24.5792, 16.2792, 16.8857



Tritanomaly

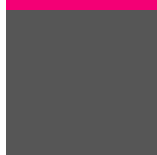
37.9096, 20.0972, 8.0120

Monochromacy



Original Color

40.1730, 20.3390, 18.6381



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.8515, 9.4351, 12.3477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1730, 20.3390, 18.6381 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(243, 0, 117)` looks like.

```
.text, #text, p{  
    color:rgb(243, 0, 117)  
}
```

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(243, 0, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 0, 117) }
```

Border

The CSS property to change the border of an element to XYZ 40.1730, 20.3390, 18.6381 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(243, 0, 117) }
```


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

```
.border{ border-color:rgb(243, 0, 117) }
```

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

Here you see how a box with a 4 pixel rgb(243, 0, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(243, 0,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1730, 20.3390, 18.6381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 0, 117) }
```

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

```
.background{ background-color: rgb(243, 0,  
117) }
```

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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