

Converting Colors

XYZ(40.6840, 20.6155, 18.0704)

Have a look what the booklet for
XYZ(40.6840, 20.6155, 18.0704)
contains.

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Color

**XYZ(40.7507, 20.6503,
18.0578)**

Conversions

Conversions Part 1

Format	Color
Hex	F50073
RGB	245, 0, 115
RGB Percent	96%, 0%, 45%
CMY	0.0392, 0.9998, 0.5490
CMYK	0.00, 1.00, 0.53, 0.04
HSL	332°, 100%, 48%
HSV	332°, 100%, 96%
XYZ	40.7507, 20.6503, 18.0578
YIQ	86.3650, 109.1050, 87.7050

Conversions

Conversions Part 2

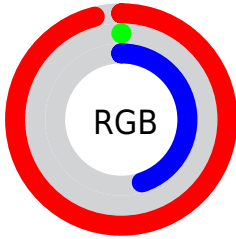
Format	Color
R_{YB}	245, 0, 115
Decimal	16056435
CIE _{Lab}	52.56, 81.49, 8.33
CIE _{LCh}	53, 81.912, 5.838
Yxy	20.6503, 0.5129, 0.2599
Android (android.graphics.Color)	4294246515 (0xFFFF50073)
YUV	86.3650, 14.1171, 139.1229
Hunter-Lab	45.4426, 80.5455, 8.2494

Details

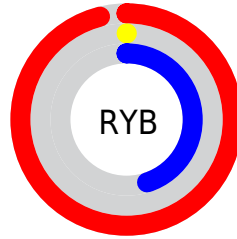
The XYZ color **40.7507, 20.6503, 18.0578** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **36.6864, 66.9183, 32.1235**, and the grayscale version is **8.8849, 9.3476, 10.1795**.

A 20% lighter version of the original color is **52.4897, 32.5994, 40.0850**, and **20.0994, 10.2411, 6.3862** is the 20% darker color. If you saturate the color by 10%, you get **40.7487, 20.6494, 18.0479**, and if you desaturate by 10%, it is **41.8909, 21.6477, 22.3938**.

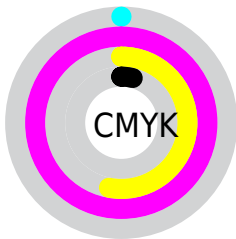
Distribution



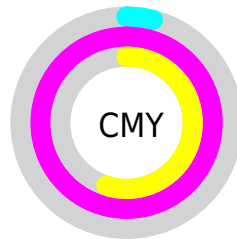
- Red (96%)
- Green (0%)
- Blue (45%)



- Red (96%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (4%)




- Cyan (4%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7507, 20.6503, 18.0578 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 40.7507, 20.6503, 18.0578 by changing the saturation by 10% instead.


 40.7507, 20.6503,
18.0578


 40.7507, 20.6503,
18.0578


340.3580,
255.4142, 253.4437


 28.3111, 12.8686,
10.8216


 75.5824, 44.5048,
40.9511


 18.7020, 7.3381,
5.8344


 98.7053, 61.3464,
57.4452


 11.5579, 3.6745,
2.6775


 126.1199, 81.9768,
77.8625

 6.5134, 1.4932,
0.9321

 158.1918,
106.7804, 102.6213

 3.2033, 0.2839,
0.0000

 195.2862,
136.1415, 132.1403

 1.2622, 0.0000,
0.0000

 237.7684,

 0.1546, 0.0000,

170.4446, 166.8380

0.0000

286.0039,
210.0740, 207.1330

■ 0.0000, 0.0000,
0.0000

■ 40.7507, 20.6503,
18.0578

■ 40.7507, 20.6503,
18.0578

■ 40.7487, 20.6494,
18.0479

■ 41.8909, 21.6477,
22.3938

■ 43.5651, 23.5375,
27.4490

■ 45.9092, 26.5851,
33.2880

■ 49.0057, 30.9498,
39.9566

■ 52.9246, 36.7657,
47.4958

■ 57.7271, 44.1501,
55.9428

■ 63.4686, 53.2081,
65.3321

■ 70.1994, 64.0358,
75.6960

■ 77.9665, 76.7219,
87.0652

Harmonies

Analogous

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



38.6005, 20.6503, 47.5549



40.7507, 20.6503, 18.0578



36.0530, 20.6503, 4.7198

Triad

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



40.7507, 20.6503, 18.0578



11.5390, 20.6503, 1.8929



13.6766, 20.6503, 97.7701

Complementary

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



40.7507, 20.6503, 18.0578



36.6864, 66.9183, 32.1235

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.



9.1473, 20.6503, 62.4534



40.7507, 20.6503, 18.0578



8.1853, 20.6503, 8.2664

Square

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



40.7507, 20.6503, 18.0578



18.0139, 20.6503, 0.6391



7.4572, 20.6503, 27.5816



21.3347, 20.6503, 108.3964

Rectangle

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



40.7507, 20.6503, 18.0578



30.2920, 20.6503, 1.7463



7.4572, 20.6503, 27.5816



11.8155, 20.6503, 87.5706

Sweetspot

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



40.7512, 20.6515, 18.0581



69.4486, 58.1755, 71.4539



25.1769, 11.0763, 87.1968



14.2694, 11.5070, 14.3375



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.



40.7512, 20.6515, 18.0581



44.6096, 22.6078, 19.6740



37.7013, 19.5025, 1.7791



16.8228, 16.6120, 18.8134



22.0209, 11.1518, 10.0843



1.9869, 1.0007, 1.1573

Inverse Universe

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



40.7512, 20.6515, 18.0581



44.6096, 22.6078, 19.6740



47.9129, 69.4545, 97.2666



16.8228, 16.6120, 18.8134



22.0209, 11.1518, 10.0843



1.9869, 1.0007, 1.1573

Previews

White Background



This preview shows how the XYZ color 40.7507, 20.6503, 18.0578 looks on a white background.

Color Contrast Check

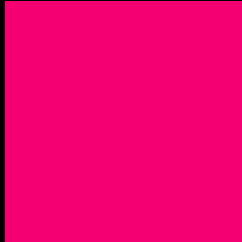
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.7507, 20.6503, 18.0578 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 40.7507, 20.6503, 18.0578

Background



This preview shows how black text looks on a background with the XYZ color 40.7507, 20.6503, 18.0578.

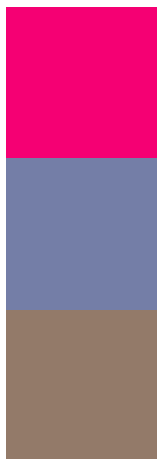


This preview shows how white text looks on a background with the XYZ color 40.7507, 20.6503,

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

40.7507, 20.6503, 18.0578

Protanopia

21.6384, 21.4247, 39.5541

Deuteranopia

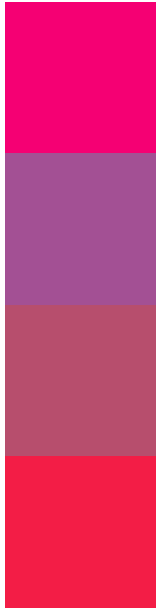
21.5420, 21.1420, 16.3100



Tritanopia

38.0686, 21.0207, 4.5336

Trichromacy



Original Color

40.7507, 20.6503, 18.0578

Protanomaly

23.3182, 15.6620, 29.8110

Deuteranomaly

25.0131, 16.6202, 16.3577

Tritanomaly

38.5070, 20.3756, 7.6977

Monochromacy



Original Color

40.7507, 20.6503, 18.0578

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

15.0255, 9.5247, 12.3558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7507, 20.6503, 18.0578 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 115) }
```

Border

The CSS property to change the border of an element to XYZ 40.7507, 20.6503, 18.0578 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, 115) }
```


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

```
.border{ border-color:rgb(245, 0, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7507, 20.6503, 18.0578 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, 115) }
```

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

```
.background{ background-color: rgb(245, 0,  
115) }
```

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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