

Converting Colors

XYZ(45.5792, 40.4375, 86.7084)

Have a look what the booklet for
XYZ(45.5792, 40.4375, 86.7084)
contains.

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Color

**XYZ(45.6064, 40.3723,
87.0503)**

Conversions

Conversions Part 1

Format	Color
Hex	AEA0EF
RGB	174, 160, 239
RGB Percent	68%, 63%, 94%
CMY	0.3176, 0.3725, 0.0627
CMYK	0.27, 0.33, 0.00, 0.06
HSL	251°, 71%, 78%
HSV	251°, 33%, 94%
XYZ	45.6064, 40.3723, 87.0503
YIQ	173.1920, -17.0150, 27.5370

Conversions

Conversions Part 2

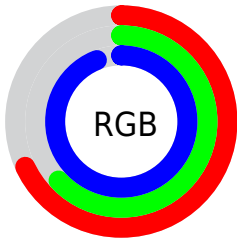
Format	Color
RYB	174, 160, 239
Decimal	11444463
CIELab	69.73, 21.90, -37.81
CIELCh	70, 43.691, 300.080
Yxy	40.3723, 0.2636, 0.2333
Android (android.graphics.Color)	4289634543 (0xFFAEA0EF)
YUV	173.1920, 32.4433, 0.7086
Hunter-Lab	63.5392, 16.9280, -36.7513

Details

The XYZ color **45.6064, 40.3723, 87.0503** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.2639, 80.2795, 45.1569**, and the grayscale version is **39.6655, 41.7312, 45.4453**.

A 20% lighter version of the original color is **75.3054, 72.8098, 104.6924**, and **21.6555, 18.1371, 47.1592** is the 20% darker color. If you saturate the color by 10%, you get **37.7898, 30.7728, 85.6101**, and if you desaturate by 10%, it is **54.8635, 51.8984, 88.7879**.

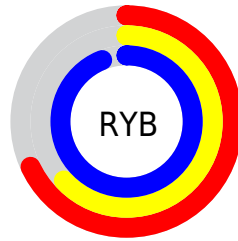
Distribution



Red (68%)

Green (63%)

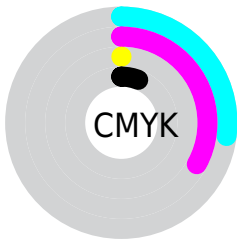
Blue (94%)



Red (68%)

Yellow (63%)

Blue (94%)

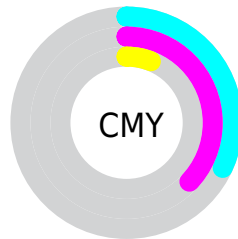


Cyan (27%)

Magenta (33%)

Yellow (0%)

Black (6%)



Cyan (32%)

Magenta (37%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6064, 40.3723, 87.0503 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 45.6064, 40.3723, 87.0503 by changing the saturation by 10% instead.

45.6064, 40.3723,
87.0503

45.6064, 40.3723,
87.0503

359.9665,
347.6903, 538.7086

32.1386, 27.8289,
64.9770

82.8611, 75.7301,
145.1337

21.6235, 18.1968,
46.9912

107.3788, 99.3133,
181.9809

13.6956, 11.0913,
32.6744

136.3105,
127.3453, 224.5898

7.9895, 6.1283,
21.6080

170.0215,
160.2104, 273.3789

4.1400, 2.9233,
13.3736

208.8773,
198.2931, 328.7668

1.7816, 1.0918,
7.5526

253.2431,

0.5066, 0.0000,

241.9777, 391.1721

3.7264

303.4844,
291.6486, 461.0132

■ 0.0000, 0.0000,
1.4765

■ 0.0000, 0.0000,
0.2003

■ 45.6064, 40.3723,
87.0503

■ 45.6064, 40.3723,
87.0503

■ 37.7898, 30.7728,
85.6101

■ 54.8635, 51.8984,
88.7879

■ 31.3361, 22.9892,
84.4479

■ 65.6252, 65.4440,
90.8352

■ 26.1663, 16.9069,
83.5463

■ 77.9567, 81.1017,
93.2075

■ 22.1916, 12.3959,
82.8851

■ 91.7250, 98.5712,
95.8538

■ 19.3112, 9.3072,
82.4407

■ 92.5801, 99.0121,
95.8938

■ 17.4063, 7.4620,
82.1850

■ 16.5496, 6.7318,
82.0892

Harmonies

Analogous

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



38.3916, 40.3723, 95.5933



45.6064, 40.3723, 87.0503



51.4190, 40.3723, 66.4081

Triad

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



45.6064, 40.3723, 87.0503



45.5696, 40.3723, 18.0905



26.3081, 40.3723, 44.0129

Complementary

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



45.6064, 40.3723, 87.0503



68.2639, 80.2795, 45.1569

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.



27.7439, 40.3723, 27.2417



45.6064, 40.3723, 87.0503



38.3537, 40.3723, 15.3658

Square

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



45.6064, 40.3723, 87.0503



51.3960, 40.3723, 27.1735



31.9474, 40.3723, 18.1205



27.7591, 40.3723, 66.5320

Rectangle

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



45.6064, 40.3723, 87.0503



53.4014, 40.3723, 51.0214



31.9474, 40.3723, 18.1205



26.4667, 40.3723, 37.5796

Sweetspot

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



45.6078, 40.3739, 87.0512



80.1458, 81.0314, 106.0242



57.2294, 68.0088, 91.7728



16.7383, 16.8167, 22.6137



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.



45.6078, 40.3739, 87.0512



46.2524, 38.6690, 99.6338



55.4960, 45.4714, 87.5140



15.1584, 15.3634, 19.8881



9.2223, 3.7597, 45.3675



0.8407, 0.3507, 3.7776

Inverse Universe

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



61.7591, 48.9300, 77.4243



67.9061, 50.1524, 86.1637



57.5437, 74.7530, 44.6552



16.3270, 15.9805, 19.2783



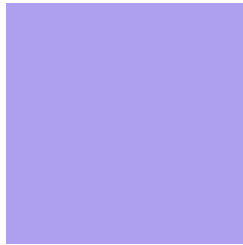
25.2625, 12.3774, 30.3624



2.1327, 1.0421, 2.6899

Previews

White Background



This preview shows how the XYZ color 45.6064, 40.3723, 87.0503 looks on a white background.

Color Contrast Check

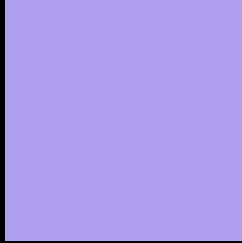
Large Text (above 18pt) WCAG AA × Fail

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 45.6064, 40.3723, 87.0503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

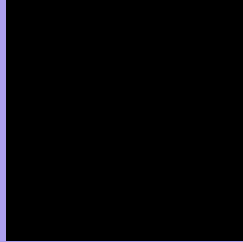
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6064, 40.3723, 87.0503

Background



This preview shows how black text looks on a background with the XYZ color 45.6064, 40.3723, 87.0503.



This preview shows how white text looks on a background with the XYZ color 45.6064, 40.3723,

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

45.6064, 40.3723, 87.0503

Protanopia

42.1611, 40.6176, 92.0040

Deuteranopia

41.5014, 40.4156, 85.7344



Tritanopia

38.3189, 40.3730, 51.1206

Trichromacy



Original Color

45.6064, 40.3723, 87.0503

Protanomaly

43.3431, 40.4493, 90.3171

Deuteranomaly

42.7924, 40.2514, 86.4028

Tritanomaly

40.6541, 40.2126, 62.7458

Monochromacy



Original Color

45.6064, 40.3723, 87.0503

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.3143, 40.9207, 58.5443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6064, 40.3723, 87.0503 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(174, 160, 239)` looks like.

```
.text, #text, p{  
    color:rgb(174, 160, 239)  
}
```

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(174, 160, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 160, 239) }
```

Border

The CSS property to change the border of an element to XYZ 45.6064, 40.3723, 87.0503 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(174, 160, 239) }
```


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

```
.border{ border-color:rgb(174, 160, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 160, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 160, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 160, 239); box-shadow:4px 4px 4px 4px rgb(174, 160, 239) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6064, 40.3723, 87.0503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 160, 239) }
```

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

```
.background{ background-color: rgb(174,  
160, 239) }
```

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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