

Converting Colors

XYZ(40.3963, 24.6030, 36.1377)

Have a look what the booklet for
XYZ(40.3963, 24.6030, 36.1377)
contains.

XYZ(40.5017, 24.6153, 36.3348)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.5017, 24.6153,
36.3348)**

Conversions

Conversions Part 1

Format	Color
Hex	E152A1
RGB	225, 82, 161
RGB Percent	88%, 32%, 63%
CMY	0.1176, 0.6784, 0.3686
CMYK	0.00, 0.64, 0.28, 0.12
HSL	327°, 70%, 60%
HSV	327°, 64%, 88%
XYZ	40.5017, 24.6153, 36.3348
YIQ	133.7630, 59.8690, 54.8850

Conversions

Conversions Part 2

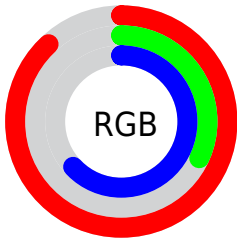
Format	Color
R _{YB}	225, 82, 161
Decimal	14766753
CIE _{Lab}	56.70, 62.90, -13.38
CIE _{LCh}	57, 64.306, 347.990
Yxy	24.6153, 0.3992, 0.2426
Android (android.graphics.Color)	4292956833 (0xFFE152A1)
YUV	133.7630, 13.4278, 80.0148
Hunter-Lab	49.6138, 58.8924, -8.6915

Details

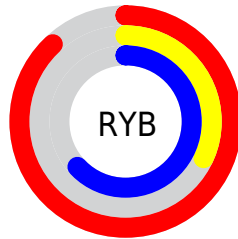
The XYZ color **40.5017, 24.6153, 36.3348** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **35.5946, 57.7204, 36.4623**, and the grayscale version is **22.5110, 23.6834, 25.7912**.

A 20% lighter version of the original color is **62.8673, 44.6831, 70.2770**, and **18.5730, 9.3848, 15.3005** is the 20% darker color. If you saturate the color by 10%, you get **38.2219, 21.4201, 31.3684**, and if you desaturate by 10%, it is **43.4105, 28.9537, 41.8642**.

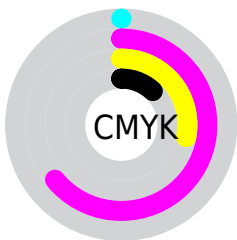
Distribution



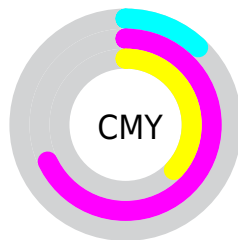
- Red (88%)
- Green (32%)
- Blue (63%)



- Red (88%)
- Yellow (32%)
- Blue (63%)



- Cyan (0%)
- Magenta (64%)
- Yellow (28%)
- Black (12%)



- Cyan (12%)
- Magenta (68%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5017, 24.6153, 36.3348 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 40.5017, 24.6153, 36.3348 by changing the saturation by 10% instead.


 40.5017, 24.6153,
36.3348


 40.5017, 24.6153,
36.3348


339.3319,
275.9166, 345.5031

 28.1159, 15.7907,
24.4011


 75.2064, 51.0324,
70.7234


 18.5539, 9.3762,
15.4165


 98.2559, 69.3937,
94.0153

 11.4505, 4.9873,
8.9624


 125.5908, 91.7027,
121.9305

 6.4402, 2.2398,
4.6202

 157.5763,
118.3438, 154.8874

 3.1577, 0.7416,
1.9714

194.5778,
149.7013, 193.3046

 1.2377, 0.0000,
0.5376

236.9607,

 0.1358, 0.0000,

186.1597, 237.6006

0.0000

285.0903,
228.1033, 288.1939

■ 0.0000, 0.0000,
0.0000

■ 40.5017, 24.6153,
36.3348

■ 40.5017, 24.6153,
36.3348

■ 38.2219, 21.4201,
31.3684

■ 43.4105, 28.9537,
41.8642

■ 36.5106, 19.2501,
26.9359

■ 46.9969, 34.5303,
47.9802

■ 35.2979, 17.9685,
23.0058

■ 51.3067, 41.4344,
54.7060

■ 34.7084, 17.4704,
20.7100

■ 56.3813, 49.7459,
62.0629

■ 62.2586, 59.5384,
70.0708

■ 68.9740, 70.8804,
78.7485

■ 76.5605, 83.8358,
88.1141

■ 82.7731, 93.9123,
97.4258

■ 84.3243, 94.5328,
105.5943

Harmonies

Analogous

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



35.8133, 24.6153, 64.9744



40.5017, 24.6153, 36.3348



39.9436, 24.6153, 15.9737

Triad

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



40.5017, 24.6153, 36.3348



19.2236, 24.6153, 3.5981



15.0195, 24.6153, 70.6214

Complementary

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



40.5017, 24.6153, 36.3348



35.5946, 57.7204, 36.4623

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.



12.1965, 24.6153, 41.6675



40.5017, 24.6153, 36.3348



14.2427, 24.6153, 7.5883

Square

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



40.5017, 24.6153, 36.3348



26.5232, 24.6153, 3.3140



11.9463, 24.6153, 19.1018



20.5250, 24.6153, 90.7842

Rectangle

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



40.5017, 24.6153, 36.3348



36.6830, 24.6153, 8.5850



11.9463, 24.6153, 19.1018



13.7812, 24.6153, 61.0550

Sweetspot

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



40.5024, 24.6166, 36.3352



78.1970, 71.5691, 87.0198



28.1051, 17.3987, 73.1115



16.2698, 14.5421, 17.9811



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.



40.5024, 24.6166, 36.3352



50.0116, 27.4557, 39.8366



35.9811, 22.8080, 12.5261



14.0225, 13.8266, 15.8889



20.0602, 10.0911, 12.2486



1.4354, 0.7174, 1.0855

Inverse Universe

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



40.5024, 24.6166, 36.3352



50.0116, 27.4557, 39.8366



42.7316, 60.5753, 74.0455



14.0225, 13.8266, 15.8889



20.0602, 10.0911, 12.2486



1.4354, 0.7174, 1.0855

Previews

White Background



This preview shows how the XYZ color 40.5017, 24.6153, 36.3348 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 40.5017, 24.6153, 36.3348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

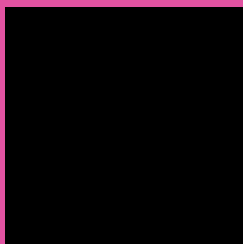
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.5017, 24.6153, 36.3348

Background



This preview shows how black text looks on a background with the XYZ color 40.5017, 24.6153, 36.3348.



This preview shows how white text looks on a background with the XYZ color 40.5017, 24.6153,

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

40.5017, 24.6153, 36.3348

Protanopia

25.9206, 24.8404, 56.8546

Deuteranopia

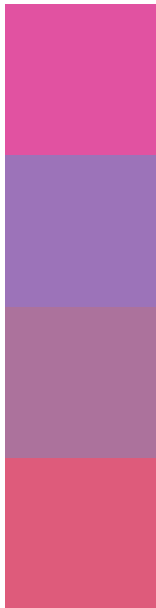
25.2926, 24.8257, 33.5958



Tritanopia

36.0963, 24.5407, 15.4047

Trichromacy



Original Color

40.5017, 24.6153, 36.3348

Protanomaly

28.5980, 22.8322, 48.7987

Deuteranomaly

29.0313, 23.2056, 34.4015

Tritanomaly

37.4404, 24.4418, 21.4833

Monochromacy



Original Color

40.5017, 24.6153, 36.3348

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

27.1011, 22.4906, 29.2983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5017, 24.6153, 36.3348 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(225, 82, 161)` looks like.

```
.text, #text, p{  
    color:rgb(225, 82, 161)  
}
```

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(225, 82, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 82, 161) }
```

Border

The CSS property to change the border of an element to XYZ 40.5017, 24.6153, 36.3348 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(225, 82, 161) }
```


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

```
.border{ border-color:rgb(225, 82, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 82, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 82, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 82, 161);  
box-shadow:4px 4px 4px 4px rgb(225, 82,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5017, 24.6153, 36.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 82, 161) }
```

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

```
.background{ background-color: rgb(225, 82,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor