

Converting Colors

XYZ(40.6840, 21.6505, 27.8216)

Have a look what the booklet for
XYZ(40.6840, 21.6505, 27.8216)
contains.

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Color

**XYZ(40.6355, 21.6134,
27.6213)**

Conversions

Conversions Part 1

Format	Color
Hex	ED2A8E
RGB	237, 42, 142
RGB Percent	93%, 16%, 56%
CMY	0.0706, 0.8352, 0.4431
CMYK	0.00, 0.82, 0.40, 0.07
HSL	329°, 84%, 55%
HSV	329°, 82%, 93%
XYZ	40.6355, 21.6134, 27.6213
YIQ	111.7050, 84.1200, 72.4400

Conversions

Conversions Part 2

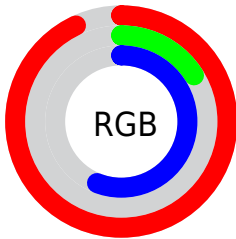
Format	Color
R_{YB}	237, 42, 142
Decimal	15542926
CIE Lab	53.61, 76.61, -6.58
CIE LCh	54, 76.889, 355.089
Yxy	21.6134, 0.4522, 0.2405
Android (android.graphics.Color)	4293733006 (0xFFED2A8E)
YUV	111.7050, 14.9354, 109.8837
Hunter-Lab	46.4902, 74.6628, -2.6829

Details

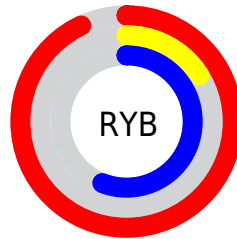
The XYZ color **40.6355, 21.6134, 27.6213** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **35.7562, 62.8675, 33.9230**, and the grayscale version is **15.2575, 16.0521, 17.4807**.

A 20% lighter version of the original color is **56.8882, 36.6144, 56.2935**, and **19.6110, 9.8867, 10.9999** is the 20% darker color. If you saturate the color by 10%, you get **39.2063, 20.0714, 23.0868**, and if you desaturate by 10%, it is **42.6518, 24.1859, 32.7950**.

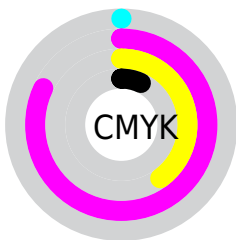
Distribution



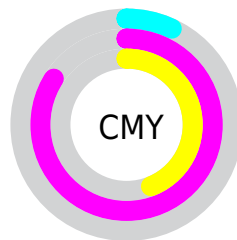
- Red (93%)
- Green (16%)
- Blue (56%)



- Red (93%)
- Yellow (16%)
- Blue (56%)



- Cyan (0%)
- Magenta (82%)
- Yellow (40%)
- Black (7%)





- Cyan (7%)
- Magenta (84%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6355, 21.6134, 27.6213 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 40.6355, 21.6134, 27.6213 by changing the saturation by 10% instead.


 40.6355, 21.6134,
27.6213


 40.6355, 21.6134,
27.6213

339.8835,
260.5207, 304.5077


 28.2208, 13.5731,
17.8038


 75.4085, 46.1062,
56.8951


 18.6335, 7.8244,
10.6413


 98.4974, 63.3275,
77.1884


 11.5082, 3.9828,
5.7150


 125.8752, 84.3779,
101.8109

 6.4795, 1.6639,
2.6066

 157.9071,
109.6418, 131.1809

 3.1822, 0.4001,
0.8959

 194.9586,
139.5037, 165.7170

 1.2508, 0.0000,
0.0000

237.3949,

 0.1459, 0.0000,

174.3478, 205.8379

0.0000

285.5814,
214.5587, 251.9619

■ 0.0000, 0.0000,
0.0000

■ 40.6355, 21.6134,
27.6213

■ 40.6355, 21.6134,
27.6213

■ 39.2063, 20.0714,
23.0868

■ 42.6518, 24.1859,
32.7950


■ 38.4088, 19.3980,
19.9796


■ 45.3323, 27.9388,
38.6459


■ 48.7433, 33.0008,
45.2087


■ 52.9421, 39.4827,
52.5143

■ 57.9800, 47.4833,
60.5912

 63.9039, 57.0928,
69.4660

 70.7569, 68.3941,
79.1640

 78.5793, 81.4642,
89.7088

 87.3079, 96.1737,
101.0894

Harmonies

Analogous

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



36.4047, 21.6134, 60.0658



40.6355, 21.6134, 27.6213



38.4205, 21.6134, 9.0936

Triad

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



40.6355, 21.6134, 27.6213



14.5479, 21.6134, 1.7415



12.7657, 21.6134, 83.5159

Complementary

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



40.6355, 21.6134, 27.6213



35.7562, 62.8675, 33.9230

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.



9.3032, 21.6134, 48.3915



40.6355, 21.6134, 27.6213



10.1235, 21.6134, 5.9796

Square

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



40.6355, 21.6134, 27.6213



21.9247, 21.6134, 1.1140



8.4840, 21.6134, 19.8700



19.2204, 21.6134, 103.4729

Rectangle

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



40.6355, 21.6134, 27.6213



33.8307, 21.6134, 3.8373



8.4840, 21.6134, 19.8700



11.2891, 21.6134, 72.2918

Sweetspot

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



40.6361, 21.6146, 27.6217



73.3718, 64.0093, 78.9662



26.3100, 13.0274, 81.2486



15.1733, 12.8382, 16.1079



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.



40.6361, 21.6146, 27.6217



45.4327, 22.9813, 23.8717



36.2324, 19.8531, 4.4320



15.3879, 15.1830, 17.3279



21.0364, 10.6173, 11.2592



1.7005, 0.8532, 1.1401

Inverse Universe

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



40.6361, 21.6146, 27.6217



45.4327, 22.9813, 23.8717



46.0551, 66.9871, 88.1564



15.3879, 15.1830, 17.3279



21.0364, 10.6173, 11.2592



1.7005, 0.8532, 1.1401

Previews

White Background



This preview shows how the XYZ color 40.6355, 21.6134, 27.6213 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 40.6355, 21.6134, 27.6213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

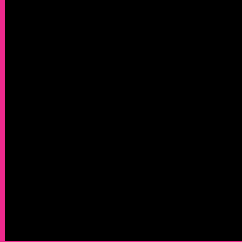
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.6355, 21.6134, 27.6213

Background



This preview shows how black text looks on a background with the XYZ color 40.6355, 21.6134, 27.6213.



This preview shows how white text looks on a background with the XYZ color 40.6355, 21.6134,

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

40.6355, 21.6134, 27.6213

Protanopia

23.1369, 21.8651, 54.6307

Deuteranopia

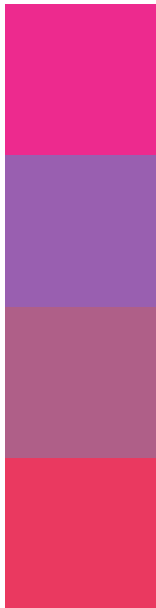
22.1459, 21.8221, 24.8747



Tritanopia

36.6267, 21.6497, 7.8786

Trichromacy



Original Color

40.6355, 21.6134, 27.6213

Protanomaly

25.0656, 18.0913, 43.2452

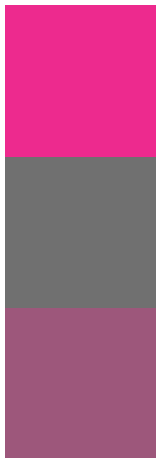
Deuteranomaly

26.2153, 19.0760, 25.5929

Tritanomaly

37.5061, 21.2632, 13.1937

Monochromacy



Original Color

40.6355, 21.6134, 27.6213

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

20.8880, 15.4145, 20.6133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6355, 21.6134, 27.6213 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(237, 42, 142)` looks like.

```
.text, #text, p{  
    color:rgb(237, 42, 142)  
}
```

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(237, 42, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 42, 142) }
```

Border

The CSS property to change the border of an element to XYZ 40.6355, 21.6134, 27.6213 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(237, 42, 142) }
```


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

```
.border{ border-color:rgb(237, 42, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 42, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 42, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 42, 142);  
box-shadow:4px 4px 4px 4px rgb(237, 42,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6355, 21.6134, 27.6213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 42, 142) }
```

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

```
.background{ background-color: rgb(237, 42,  
142) }
```

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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