

Converting Colors

XYZ(40.1733, 24.0988, 30.6897)

Have a look what the booklet for
XYZ(40.1733, 24.0988, 30.6897)
contains.

XYZ(40.0646, 24.0809, 30.5534)	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(40.0646, 24.0809,
30.5534)**

Conversions

Conversions Part 1

Format	Color
Hex	E44E94
RGB	228, 78, 148
RGB Percent	89%, 31%, 58%
CMY	0.1059, 0.6941, 0.4196
CMYK	0.00, 0.66, 0.35, 0.11
HSL	332°, 74%, 60%
HSV	332°, 66%, 89%
XYZ	40.0646, 24.0809, 30.5534
YIQ	130.8300, 66.9300, 53.5700

Conversions

Conversions Part 2

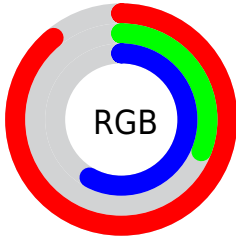
Format	Color
R _Y B	228, 78, 148
Decimal	14962324
CIE Lab	56.17, 63.82, -6.51
CIE LCh	56, 64.155, 354.177
Yxy	24.0809, 0.4231, 0.2543
Android (android.graphics.Color)	4293152404 (0xFFE44E94)
YUV	130.8300, 8.4648, 85.2181
Hunter-Lab	49.0723, 59.8581, -2.5645

Details

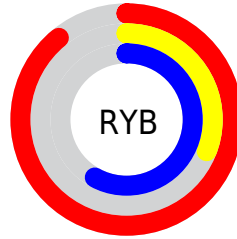
The XYZ color **40.0646, 24.0809, 30.5534** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **37.0583, 59.5758, 41.8977**, and the grayscale version is **21.4681, 22.5861, 24.5962**.

A 20% lighter version of the original color is **60.5646, 42.8522, 60.9563**, and **18.3061, 9.1879, 12.1179** is the 20% darker color. If you saturate the color by 10%, you get **37.8036, 21.0193, 25.2976**, and if you desaturate by 10%, it is **42.9894, 28.3080, 36.5299**.

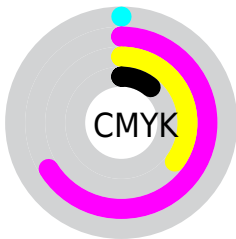
Distribution



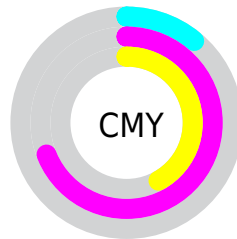
- Red (89%)
- Green (31%)
- Blue (58%)



- Red (89%)
- Yellow (31%)
- Blue (58%)



- Cyan (0%)
- Magenta (66%)
- Yellow (35%)
- Black (11%)





- Cyan (11%)
- Magenta (69%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0646, 24.0809, 30.5534 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 40.0646, 24.0809, 30.5534 by changing the saturation by 10% instead.

 40.0646, 24.0809,
30.5534


 40.0646, 24.0809,
30.5534


337.5255,
273.2292, 318.7628


 27.7734, 15.3936,
20.0034


 74.5456, 50.1622,
61.6076


 18.2945, 9.0961,
12.2134


 97.4660, 68.3250,
82.9488


 11.2626, 4.8039,
6.7649


 124.6603, 90.4151,
108.7242

 6.3123, 2.1327,
3.2393

 156.4936,
116.8170, 139.3524

 3.0784, 0.6829,
1.2181

 193.3315,
147.9149, 175.2517

 1.1953, 0.0000,
0.0000

235.5392,

 0.1027, 0.0000,

184.0933, 216.8409

0.0000

283.4821,
225.7366, 264.5384

■ 0.0000, 0.0000,
0.0000

■ 40.0646, 24.0809,
30.5534

■ 40.0646, 24.0809,
30.5534

■ 37.8036, 21.0193,
25.2976

■ 42.9894, 28.3080,
36.5299

■ 36.1403, 18.9963,
20.7244

■ 46.6310, 33.8024,
43.2588


■ 34.9971, 17.8617,
16.7922


■ 51.0394, 40.6591,
50.7709


■ 34.6170, 17.5428,
15.3048


■ 56.2590, 48.9626,
59.0947

■ 62.3309, 58.7910,
68.2569

 69.2932, 70.2162,
78.2827

 77.1816, 83.3060,
89.1963

 84.2800, 94.6240,
100.4374

 85.8049, 95.2340,
108.4673

Harmonies

Analogous

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



36.3978, 24.0809, 57.8405



40.0646, 24.0809, 30.5534



38.3904, 24.0809, 12.8702

Triad

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



40.0646, 24.0809, 30.5534



17.5644, 24.0809, 3.8954



15.5601, 24.0809, 74.7685

Complementary

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



40.0646, 24.0809, 30.5534



37.0583, 59.5758, 41.8977

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.



12.2474, 24.0809, 46.5851



40.0646, 24.0809, 30.5534



13.2189, 24.0809, 8.9255

Square

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



40.0646, 24.0809, 30.5534



24.3551, 24.0809, 3.0296



11.4928, 24.0809, 22.3170



21.4814, 24.0809, 90.8018

Rectangle

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



40.0646, 24.0809, 30.5534



34.6207, 24.0809, 6.8957



11.4928, 24.0809, 22.3170



14.1601, 24.0809, 65.8549

Sweetspot

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



40.0653, 24.0822, 30.5538



76.8085, 70.0360, 82.7223



30.8300, 18.3210, 75.3102



15.9716, 14.2331, 16.9961



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.



40.0653, 24.0822, 30.5538



47.8484, 25.9807, 30.3252



36.4643, 23.2320, 9.7718



14.6555, 14.4794, 16.3861



20.0478, 10.1533, 9.1466



1.5280, 0.7689, 0.9211

Inverse Universe

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



40.0653, 24.0822, 30.5538



47.8484, 25.9807, 30.3252



43.5340, 59.9971, 82.6849



14.6555, 14.4794, 16.3861



20.0478, 10.1533, 9.1466



1.5280, 0.7689, 0.9211

Previews

White Background



This preview shows how the XYZ color 40.0646, 24.0809, 30.5534 looks on a white background.

Color Contrast Check

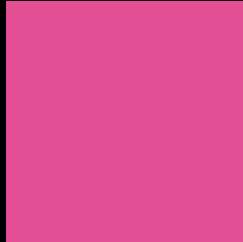
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.0646, 24.0809, 30.5534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

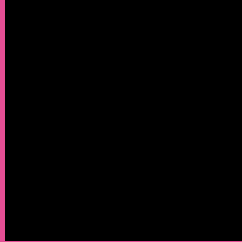
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.0646, 24.0809, 30.5534

Background



This preview shows how black text looks on a background with the XYZ color 40.0646, 24.0809, 30.5534.



This preview shows how white text looks on a background with the XYZ color 40.0646, 24.0809,

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

40.0646, 24.0809, 30.5534

Protanopia

24.8902, 24.2709, 49.2718

Deuteranopia

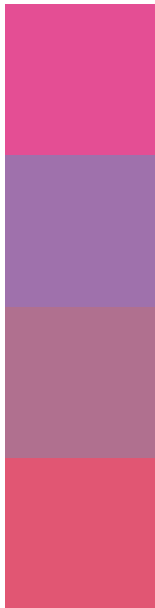
24.7040, 24.2370, 28.1871



Tritanopia

36.5080, 24.0042, 13.7754

Trichromacy



Original Color

40.0646, 24.0809, 30.5534

Protanomaly

27.6496, 22.1597, 41.8497

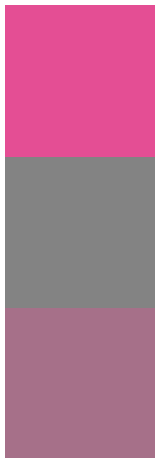
Deuteranomaly

28.6566, 22.8016, 28.8774

Tritanomaly

37.4736, 23.9009, 18.8579

Monochromacy



Original Color

40.0646, 24.0809, 30.5534

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

26.0354, 21.5015, 26.4449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0646, 24.0809, 30.5534 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(228, 78, 148)` looks like.

```
.text, #text, p{  
    color:rgb(228, 78, 148)  
}
```

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(228, 78, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 78, 148) }
```

Border

The CSS property to change the border of an element to XYZ 40.0646, 24.0809, 30.5534 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(228, 78, 148) }
```


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

```
.border{ border-color:rgb(228, 78, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 78, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 78, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 78, 148);  
box-shadow:4px 4px 4px 4px rgb(228, 78,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0646, 24.0809, 30.5534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 78, 148) }
```

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

```
.background{ background-color: rgb(228, 78,  
148) }
```

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