

Converting Colors

XYZ(50.4974, 30.0509, 77.6254)

Have a look what the booklet for
XYZ(50.4974, 30.0509, 77.6254)
contains.

XYZ(50.6031, 30.1344, 77.2782)	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(50.6031, 30.1344,
77.2782)**

Conversions

Conversions Part 1

Format	Color
Hex	E65CE5
RGB	230, 92, 229
RGB Percent	90%, 36%, 90%
CMY	0.0980, 0.6392, 0.1020
CMYK	0.00, 0.60, 0.00, 0.10
HSL	300°, 73%, 63%
HSV	300°, 60%, 90%
XYZ	50.6031, 30.1344, 77.2782
YIQ	148.8800, 38.2710, 71.8630

Conversions

Conversions Part 2

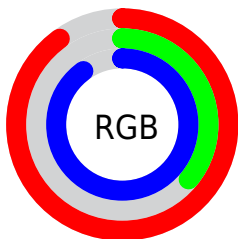
Format	Color
R _{YB}	230, 92, 229
Decimal	15097061
CIE _{Lab}	61.77, 70.03, -44.31
CIE _{LCh}	62, 82.871, 327.674
Y _{xy}	30.1344, 0.3202, 0.1907
Android (android.graphics.Color)	4293287141 (0xFFE65CE5)
YUV	148.8800, 39.4992, 71.1422
Hunter-Lab	54.8948, 68.4788, -45.0392

Details

The XYZ color **50.6031, 30.1344, 77.2782** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **34.6876, 59.6605, 20.0450**, and the grayscale version is **28.3460, 29.8222, 32.4764**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **24.6640, 12.3283, 40.6148** is the 20% darker color. If you saturate the color by 10%, you get **48.8817, 26.7281, 76.5898**, and if you desaturate by 10%, it is **52.9313, 34.7526, 78.1695**.

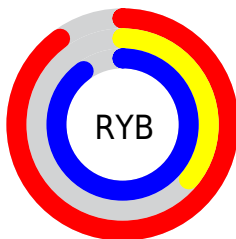
Distribution



Red (90%)

Green (36%)

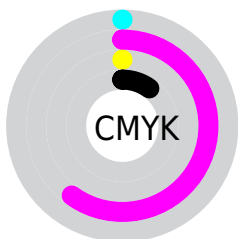
Blue (90%)



Red (90%)

Yellow (36%)

Blue (90%)

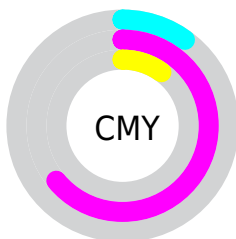


Cyan (0%)

Magenta (60%)

Yellow (0%)

Black (10%)



Cyan (10%)


Magenta (64%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6031, 30.1344, 77.2782 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 50.6031, 30.1344, 77.2782 by changing the saturation by 10% instead.


 50.6031, 30.1344,
77.2782

 50.6031, 30.1344,
77.2782


379.4329,
302.5304, 505.1749


 36.1126, 19.9406,
56.9683

 90.2543, 59.8747,
131.3087

 24.6917, 12.3519,
40.5706


 116.1457, 80.1899,
165.8664

 15.9750, 6.9838,
27.6666


 146.5681,
104.6478, 206.0105

 9.5972, 3.4520,
17.8376

 181.8869,
133.6327, 252.1594

 5.1929, 1.3720,
10.6652

222.4674,
167.5291, 304.7318

 2.3968, 0.1960,
5.7309

268.6750,

 0.8435, 0.0000,

206.7212, 364.1461

2.6160

320.8751,
251.5935, 430.8210

■ 0.0000, 0.0000,
0.9007

■ 0.0000, 0.0000,
0.0000

■ 50.6031, 30.1344,
77.2782

■ 50.6031, 30.1344,
77.2782

■ 48.8817, 26.7281,
76.5898

■ 52.9313, 34.7526,
78.1695

■ 47.7072, 24.4162,
76.0835


■ 55.9126, 40.6779,
79.2783


■ 47.0132, 23.0655,
75.7376


■ 59.5925, 48.0005,
80.6202


■ 46.6836, 22.4433,
75.5131


■ 64.0118, 56.8015,
82.2086


 46.6835, 22.4432,
75.5131

 69.2078, 67.1561,
84.0560

 75.2155, 79.1340,
86.1741

 82.0677, 92.8010,
88.5738

 82.7236, 94.0752,
88.9082

 82.7471, 94.0846,
89.0319

Harmonies

Analogous

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



39.6839, 30.1344, 121.5577



50.6031, 30.1344, 77.2782



55.5412, 30.1344, 35.3425

Triad

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



50.6031, 30.1344, 77.2782



29.5126, 30.1344, 1.8357



13.6477, 30.1344, 69.9529

Complementary

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



50.6031, 30.1344, 77.2782



34.6876, 59.6605, 20.0450

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.



12.2281, 30.1344, 30.4038



50.6031, 30.1344, 77.2782



19.8654, 30.1344, 3.0432

Square

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



50.6031, 30.1344, 77.2782



41.5686, 30.1344, 3.5776



14.1804, 30.1344, 9.8468



18.7183, 30.1344, 115.7419

Rectangle

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



50.6031, 30.1344, 77.2782



54.0233, 30.1344, 17.5900



14.1804, 30.1344, 9.8468



12.7953, 30.1344, 54.9640

Sweetspot

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



50.6042, 30.1358, 77.2788



82.0614, 74.1086, 104.3063



22.5251, 15.6442, 76.6964



17.1818, 15.0998, 22.1891



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.



50.6042, 30.1358, 77.2788



61.3551, 32.9521, 96.6144



42.8946, 27.0519, 36.6807



14.9904, 14.6134, 18.1499



26.4313, 12.7068, 42.7620



1.9547, 0.9396, 3.1677

Inverse Universe

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



50.6042, 30.1358, 77.2788



61.3551, 32.9521, 96.6144



39.1448, 61.4434, 43.5166



14.9904, 14.6134, 18.1499



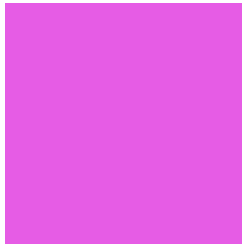
26.4313, 12.7068, 42.7620



1.9547, 0.9396, 3.1677

Previews

White Background



This preview shows how the XYZ color 50.6031, 30.1344, 77.2782 looks on a white background.

Color Contrast Check

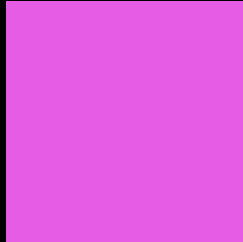
Large Text (above 18pt) WCAG AA × Fail

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 50.6031, 30.1344, 77.2782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

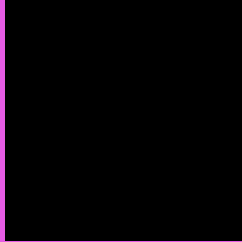
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6031, 30.1344, 77.2782

Background



This preview shows how black text looks on a background with the XYZ color 50.6031, 30.1344, 77.2782.



This preview shows how white text looks on a background with the XYZ color 50.6031, 30.1344,

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

50.6031, 30.1344, 77.2782

Protanopia

33.8084, 30.6025, 98.7327

Deuteranopia

31.2539, 30.3402, 71.9191



Tritanopia

39.5924, 29.9233, 24.4579

Trichromacy



Original Color

50.6031, 30.1344, 77.2782



Protanomaly

36.4898, 27.9651, 90.6634



Deuteranomaly

35.5357, 28.2396, 73.3899



Tritanomaly

42.4917, 29.3981, 39.0321

Monochromacy



Original Color

50.6031, 30.1344, 77.2782



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

34.1152, 28.1177, 45.7487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6031, 30.1344, 77.2782 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(230, 92, 229)` looks like.

```
.text, #text, p{  
    color:rgb(230, 92, 229)  
}
```

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(230, 92, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 92, 229) }
```

Border

The CSS property to change the border of an element to XYZ 50.6031, 30.1344, 77.2782 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(230, 92, 229) }
```


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

```
.border{ border-color:rgb(230, 92, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 92, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 92, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 92, 229);  
box-shadow:4px 4px 4px 4px rgb(230, 92,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6031, 30.1344, 77.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 92, 229) }
```

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

```
.background{ background-color: rgb(230, 92,  
229) }
```

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