

Converting Colors

XYZ(50.3132, 29.9771, 76.6555)

Have a look what the booklet for
XYZ(50.3132, 29.9771, 76.6555)
contains.

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Color

**XYZ(50.4639, 30.0787,
76.5448)**

Conversions

Conversions Part 1

Format	Color
Hex	E65CE4
RGB	230, 92, 228
RGB Percent	90%, 36%, 89%
CMY	0.0980, 0.6392, 0.1059
CMYK	0.00, 0.60, 0.01, 0.10
HSL	301°, 73%, 63%
HSV	301°, 60%, 90%
XYZ	50.4639, 30.0787, 76.5448
YIQ	148.7660, 38.5920, 71.5520

Conversions

Conversions Part 2

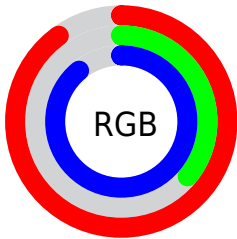
Format	Color
R _Y B	230, 92, 228
Decimal	15097060
CIE _{Lab}	61.72, 69.86, -43.83
CIE _{LCh}	62, 82.474, 327.897
Y _{xy}	30.0787, 0.3212, 0.1915
Android (android.graphics.Color)	4293287140 (0xFFE65CE4)
Y _{UV}	148.7660, 39.0624, 71.2422
Hunter-Lab	54.8441, 68.2669, -44.3591

Details

The XYZ color **50.4639, 30.0787, 76.5448** 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 **34.7322, 59.6785, 20.2799**, and the grayscale version is **28.3000, 29.7738, 32.4237**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **24.5676, 12.2898, 40.1070** is the 20% darker color. If you saturate the color by 10%, you get **48.7195, 26.6632, 75.7354**, and if you desaturate by 10%, it is **52.8151, 34.7062, 77.5575**.

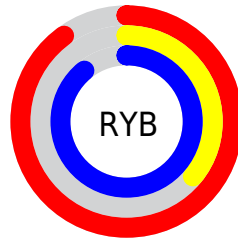
Distribution



Red (90%)

Green (36%)

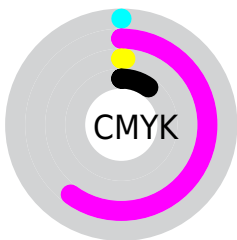
Blue (89%)



Red (90%)

Yellow (36%)

Blue (89%)

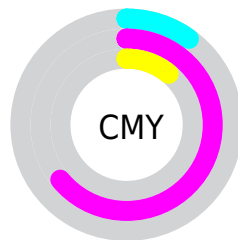


Cyan (0%)

Magenta (60%)

Yellow (1%)

Black (10%)



Cyan (10%)


Magenta (64%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4639, 30.0787, 76.5448 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 50.4639, 30.0787, 76.5448 by changing the saturation by 10% instead.


 50.4639, 30.0787,
76.5448


 50.4639, 30.0787,
76.5448


378.8994,
302.2711, 502.6070


 36.0014, 19.8983,
56.3700


 90.0495, 59.7866,
130.2639


 24.6054, 12.3212,
40.0937


 115.9035, 80.0830,
164.6452

 15.9105, 6.9628,
27.2973


 146.2852,
104.5201, 204.5992

 9.5513, 3.4388,
17.5622

 181.5602,
133.4824, 250.5443

 5.1624, 1.3649,
10.4699

222.0937,
167.3542, 302.8991

 2.3786, 0.1906,
5.6020

268.2512,

 0.8344, 0.0000,

206.5200, 362.0821

2.5398

320.3980,
251.3642, 428.5119

■ 0.0000, 0.0000,
0.8611

■ 0.0000, 0.0000,
0.0000

■ 50.4639, 30.0787,
76.5448

■ 50.4639, 30.0787,
76.5448

■ 48.7195, 26.6632,
75.7354

■ 52.8151, 34.7062,
77.5575

■ 47.5221, 24.3422,
75.1084


■ 55.8195, 40.6406,
78.7881


■ 46.8053, 22.9823,
74.6421


■ 59.5227, 47.9725,
80.2520


■ 46.4528, 22.3510,
74.2977


■ 63.9652, 56.7829,
81.9628


 46.4528, 22.3509,
74.2976

 69.1845, 67.1468,
83.9331

 75.2156, 79.1341,
86.1743

 82.0913, 92.8104,
88.6975

 82.7707, 94.0941,
89.1558

 82.8178, 94.1129,
89.4037

Harmonies

Analogous

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



39.6494, 30.0787, 120.5341



50.4639, 30.0787, 76.5448



55.3058, 30.0787, 35.0205

Triad

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



50.4639, 30.0787, 76.5448



29.3709, 30.0787, 1.8683



13.6938, 30.0787, 69.9723

Complementary

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



50.4639, 30.0787, 76.5448



34.7322, 59.6785, 20.2799

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.



12.2541, 30.0787, 30.5809



50.4639, 30.0787, 76.5448



19.8042, 30.0787, 3.1066

Square

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



50.4639, 30.0787, 76.5448



41.3423, 30.0787, 3.5915



14.1737, 30.0787, 9.9793



18.7718, 30.0787, 115.3206

Rectangle

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



50.4639, 30.0787, 76.5448



53.7564, 30.0787, 17.4611



14.1737, 30.0787, 9.9793



12.8358, 30.0787, 55.0692

Sweetspot

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



50.4650, 30.0801, 76.5454



82.0080, 74.0872, 104.0249



22.5251, 15.6442, 76.6966



17.1685, 15.0944, 22.1192



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.



50.4650, 30.0801, 76.5454



61.1430, 32.8672, 95.4976



42.8947, 27.0519, 36.6807



14.9856, 14.6114, 18.1248



26.3028, 12.6553, 42.0848



1.9466, 0.9364, 3.1253

Inverse Universe

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



50.4650, 30.0801, 76.5454



61.1430, 32.8672, 95.4976



39.1449, 61.4435, 43.5166



14.9856, 14.6114, 18.1248



26.3028, 12.6553, 42.0848



1.9466, 0.9364, 3.1253

Previews

White Background



This preview shows how the XYZ color 50.4639, 30.0787, 76.5448 looks on a white background.

Color Contrast Check

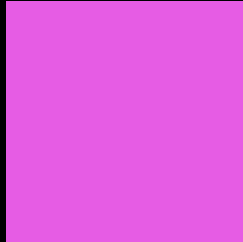
Large Text (above 18pt) WCAG AA × Fail

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 50.4639, 30.0787, 76.5448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

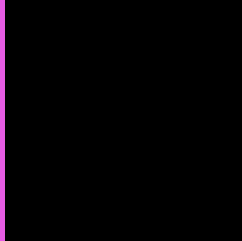
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4639, 30.0787, 76.5448

Background



This preview shows how black text looks on a background with the XYZ color 50.4639, 30.0787, 76.5448.



This preview shows how white text looks on a background with the XYZ color 50.4639, 30.0787,

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

50.4639, 30.0787, 76.5448

Protanopia

33.6957, 30.5445, 98.7275

Deuteranopia

31.1218, 30.2874, 71.2236



Tritanopia

39.5924, 29.9233, 24.4579

Trichromacy



Original Color

50.4639, 30.0787, 76.5448



Protanomaly

36.1550, 27.8102, 89.8485



Deuteranomaly

35.4012, 28.1859, 72.6818



Tritanomaly

42.4917, 29.3981, 39.0321

Monochromacy



Original Color

50.4639, 30.0787, 76.5448



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 50.4639, 30.0787, 76.5448 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(230, 92, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 92, 228) }
```

Border

The CSS property to change the border of an element to XYZ 50.4639, 30.0787, 76.5448 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, 228) }
```


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

```
.border{ border-color:rgb(230, 92, 228) }
```

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, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 92, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 92, 228);  
box-shadow:4px 4px 4px 4px rgb(230, 92,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4639, 30.0787, 76.5448 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, 228) }
```

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

```
.background{ background-color: rgb(230, 92,  
228) }
```

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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