

Converting Colors

XYZ(48.1776, 32.1649, 61.4268)

Have a look what the booklet for
XYZ(48.1776, 32.1649, 61.4268)
contains.

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Color

**XYZ(48.1776, 32.1649,
61.4268)**

Conversions

Conversions Part 1

Format	Color
Hex	E270CD
RGB	226, 112, 205
RGB Percent	89%, 44%, 80%
CMY	0.1137, 0.5608, 0.1961
CMYK	0.00, 0.50, 0.09, 0.11
HSL	311°, 66%, 66%
HSV	311°, 50%, 89%
XYZ	48.1776, 32.1649, 61.4268
YIQ	156.6880, 38.0910, 53.0910

Conversions

Conversions Part 2

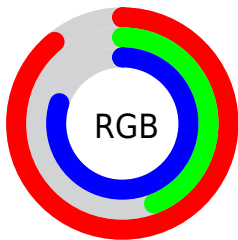
Format	Color
R _{YB}	226, 112, 205
Decimal	14840013
CIE _{Lab}	63.48, 56.08, -28.23
CIE _{LCh}	63, 62.783, 333.284
Yxy	32.1649, 0.3398, 0.2269
Android (android.graphics.Color)	4293030093 (0xFFE270CD)
YUV	156.6880, 23.8178, 60.7866
Hunter-Lab	56.7141, 52.3828, -24.5169

Details

The XYZ color **48.1776, 32.1649, 61.4268** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.1135, 59.5319, 31.6746**, and the grayscale version is **31.7934, 33.4492, 36.4261**.

A 20% lighter version of the original color is **73.1087, 56.1174, 101.5862**, and **23.1166, 13.4531, 30.2325** is the 20% darker color. If you saturate the color by 10%, you get **45.4940, 27.5908, 58.0858**, and if you desaturate by 10%, it is **51.5024, 37.9987, 65.0482**.

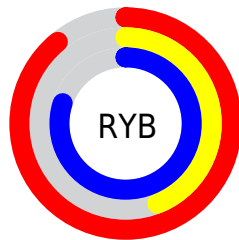
Distribution



Red (89%)

Green (44%)

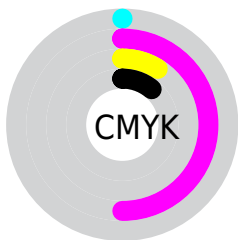
Blue (80%)



Red (89%)

Yellow (44%)

Blue (80%)

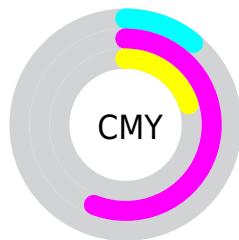


Cyan (0%)

Magenta (50%)

Yellow (9%)

Black (11%)



Cyan (11%)

Magenta (56%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1776, 32.1649, 61.4268 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 48.1776, 32.1649, 61.4268 by changing the saturation by 10% instead.

48.1776, 32.1649,
61.4268

48.1776, 32.1649,
61.4268

370.0665,
311.8697, 447.7870

34.1794, 21.4875,
44.1369

86.6769, 63.0695,
108.4602

23.1950, 13.4808,
30.4402

111.9086, 84.0655,
139.0408

14.8590, 7.7605,
19.9180

141.6156,
109.2698, 174.8887

8.8062, 3.9421,
12.1520

176.1632,
139.0668, 216.4225

4.6711, 1.6412,
6.7235

215.9168,
173.8409, 264.0607

2.0883, 0.3851,
3.2140

261.2416,

0.6829, 0.0000,

213.9765, 318.2218

1.2049

312.5031,
259.8580, 379.3244

■ 0.0000, 0.0000,
0.0000

■ 48.1776, 32.1649,
61.4268

■ 48.1776, 32.1649,
61.4268

■ 45.4940, 27.5908,
58.0858

■ 51.5024, 37.9987,
65.0482

■ 43.4006, 24.1764,
55.0066

■ 55.5080, 45.1735,
68.9627

■ 41.8437, 21.8141,
52.1713

■ 60.2348, 53.7686,
73.1845

■ 40.7583, 20.3736,
49.5576

■ 65.7188, 63.8564,
77.7263

■ 40.0545, 19.6450,
47.2300

■ 71.9937, 75.5039,
82.5996

■ 79.0911, 88.7742,
87.8155

■ 81.9963, 93.6377,
91.7030

■ 82.6022, 93.8800,
94.8933

■ 83.2222, 94.1280,
98.1582

Harmonies

Analogous

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



40.7548, 32.1649, 92.6435



48.1776, 32.1649, 61.4268



50.6099, 32.1649, 32.3362

Triad

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



48.1776, 32.1649, 61.4268



29.6190, 32.1649, 5.5944



18.5635, 32.1649, 68.6385

Complementary

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



48.1776, 32.1649, 61.4268



38.1135, 59.5319, 31.6746

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.



16.6741, 32.1649, 37.8527



48.1776, 32.1649, 61.4268



22.2442, 32.1649, 8.2259

Square

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



48.1776, 32.1649, 61.4268



38.7679, 32.1649, 7.2202



17.8815, 32.1649, 17.5325



23.6208, 32.1649, 98.0188

Rectangle

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



48.1776, 32.1649, 61.4268



48.7560, 32.1649, 19.2319



17.8815, 32.1649, 17.5325



17.5857, 32.1649, 57.7046

Sweetspot

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



48.1787, 32.1664, 61.4274



82.9245, 77.5314, 99.3636



29.1803, 22.0596, 74.6720



17.4251, 15.9991, 20.9981



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.



48.1787, 32.1664, 61.4274



59.5194, 35.7791, 75.9686



42.5127, 29.9000, 31.5910



14.1810, 13.8900, 16.7235



22.8919, 11.2237, 27.1600



1.6152, 0.7894, 2.0326

Inverse Universe

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



48.1787, 32.1664, 61.4274



59.5194, 35.7791, 75.9686



43.1631, 61.5517, 58.2651



14.1810, 13.8900, 16.7235



22.8919, 11.2237, 27.1600



1.6152, 0.7894, 2.0326

Previews

White Background



This preview shows how the XYZ color 48.1776, 32.1649, 61.4268 looks on a white background.

Color Contrast Check

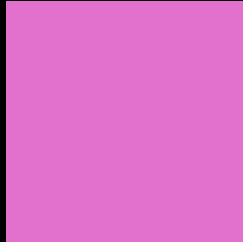
Large Text (above 18pt) WCAG AA × Fail

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 48.1776, 32.1649, 61.4268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

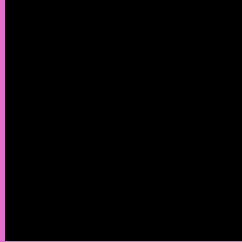
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1776, 32.1649, 61.4268

Background



This preview shows how black text looks on a background with the XYZ color 48.1776, 32.1649, 61.4268.



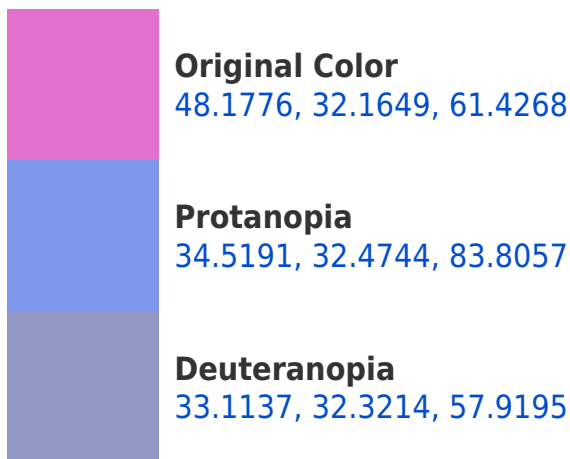
This preview shows how white text looks on a background with the XYZ color 48.1776, 32.1649,

61.4268.

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





Tritanopia

41.1480, 32.1499, 27.7037

Trichromacy



Original Color

48.1776, 32.1649, 61.4268



Protanomaly

37.2342, 30.9046, 75.2369



Deuteranomaly

37.1675, 31.2223, 59.3259



Tritanomaly

43.2999, 31.8999, 38.0576

Monochromacy



Original Color

48.1776, 32.1649, 61.4268



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

36.4563, 32.0508, 44.3094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1776, 32.1649, 61.4268 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(226, 112, 205)` looks like.

```
.text, #text, p{  
    color:rgb(226, 112, 205)  
}
```

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(226, 112, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 112, 205) }
```

Border

The CSS property to change the border of an element to XYZ 48.1776, 32.1649, 61.4268 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(226, 112, 205) }
```


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

```
.border{ border-color:rgb(226, 112, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 112, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 112, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 112, 205);  
box-shadow:4px 4px 4px 4px rgb(226, 112,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1776, 32.1649, 61.4268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 112, 205) }
```

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

```
.background{ background-color: rgb(226,  
112, 205) }
```

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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