

Converting Colors

XYZ(53.0709, 34.8018, 78.7900)

Have a look what the booklet for
XYZ(53.0709, 34.8018, 78.7900)
contains.

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Color

**XYZ(53.0468, 34.7976,
78.7837)**

Conversions

Conversions Part 1

Format	Color
Hex	E673E6
RGB	230, 115, 230
RGB Percent	90%, 45%, 90%
CMY	0.0980, 0.5490, 0.0980
CMYK	0.00, 0.50, 0.00, 0.10
HSL	300°, 70%, 68%
HSV	300°, 50%, 90%
XYZ	53.0468, 34.7976, 78.7837
YIQ	162.4950, 31.6250, 60.1450

Conversions

Conversions Part 2

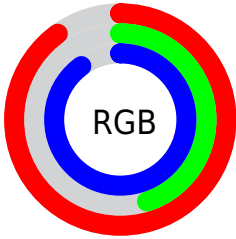
Format	Color
R _Y B	230, 115, 230
Decimal	15102950
CIE Lab	65.59, 59.98, -38.88
CIE LCh	66, 71.478, 327.050
Yxy	34.7976, 0.3184, 0.2088
Android (android.graphics.Color)	4293293030 (0xFFE673E6)
YUV	162.4950, 33.2800, 59.2019
Hunter-Lab	58.9895, 57.2860, -37.8924

Details

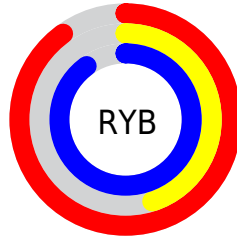
The XYZ color **53.0468, 34.7976, 78.7837** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.4631, 61.4777, 26.0607**, and the grayscale version is **34.4142, 36.2064, 39.4288**.

A 20% lighter version of the original color is **73.8529, 57.6058, 101.8343**, and **26.2172, 14.9546, 41.5491** is the 20% darker color. If you saturate the color by 10%, you get **50.7442, 30.1917, 78.0164**, and if you desaturate by 10%, it is **56.0060, 40.7150, 79.7705**.

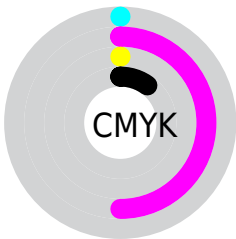
Distribution



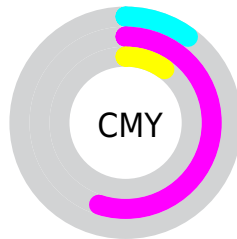
- Red (90%)
- Green (45%)
- Blue (90%)



- Red (90%)
- Yellow (45%)
- Blue (90%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (10%)





- Cyan (10%)
- Magenta (55%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0468, 34.7976, 78.7837 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 53.0468, 34.7976, 78.7837 by changing the saturation by 10% instead.


 53.0468, 34.7976,
78.7837


 53.0468, 34.7976,
78.7837


388.7226,
323.6740, 510.4226


 38.0678, 23.5070,
58.1977

 93.8384, 67.1721,
133.4502

 26.2127, 14.9683,
41.5519

 120.3816, 89.0248,
168.3678

 17.1164, 8.7972,
28.4276


 151.5102,
115.1670, 208.8997

 10.4133, 4.6091,
18.4064

187.5897,
145.9830, 255.4645

 5.7382, 2.0198,
11.0697

228.9853,
181.8574, 308.4806

 2.7257, 0.6189,
5.9990

276.0624,

 1.0104, 0.0000,

223.1744, 368.3666

2.7757

329.1864,
270.3185, 435.5411

■ 0.0000, 0.0000,
0.9813

■ 0.0000, 0.0000,
0.0000

■ 53.0468, 34.7976,
78.7837

■ 53.0468, 34.7976,
78.7837

■ 50.7442, 30.1917,
78.0164

■ 56.0060, 40.7150,
79.7705

■ 49.0451, 26.7933,
77.4499


■ 59.6626, 48.0282,
80.9895


■ 47.8938, 24.4908,
77.0660


■ 64.0584, 56.8199,
82.4549


■ 47.2231, 23.1494,
76.8423


■ 69.2310, 67.1651,
84.1792


 46.9166, 22.5365,
76.7400


 75.2153, 79.1336,
86.1741

 46.9165, 22.5364,
76.7400

 82.0441, 92.7911,
88.4505

 82.6768, 94.0565,
88.6615

 82.6769, 94.0565,
88.6617

 82.6769, 94.0566,
88.6618

Harmonies

Analogous

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



43.1188, 34.7976, 116.1141



53.0468, 34.7976, 78.7837



57.5782, 34.7976, 40.9397

Triad

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



53.0468, 34.7976, 78.7837



34.1229, 34.7976, 4.5278



18.1685, 34.7976, 70.6901

Complementary

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



53.0468, 34.7976, 78.7837



38.4631, 61.4777, 26.0607

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.



16.7457, 34.7976, 34.9932



53.0468, 34.7976, 78.7837



24.7247, 34.7976, 6.2171

Square

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



53.0468, 34.7976, 78.7837



45.3000, 34.7976, 7.1513



18.8737, 34.7976, 14.3570



23.2732, 34.7976, 109.9547

Rectangle

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



53.0468, 34.7976, 78.7837



56.3432, 34.7976, 23.3523



18.8737, 34.7976, 14.3570



17.2977, 34.7976, 57.4707

Sweetspot

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



53.0480, 34.7992, 78.7844



84.0384, 77.9769, 105.2292



27.4854, 21.6211, 77.5887



17.6963, 16.1076, 22.4263



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.



53.0480, 34.7992, 78.7844



64.0412, 37.9827, 98.5628



46.2598, 32.0839, 43.0384



14.9952, 14.6153, 18.1750



26.5611, 12.7587, 43.4452



1.9628, 0.9428, 3.2105

Inverse Universe

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



53.0480, 34.7992, 78.7844



64.0412, 37.9827, 98.5628



42.8630, 63.2377, 49.2307



14.9952, 14.6153, 18.1750



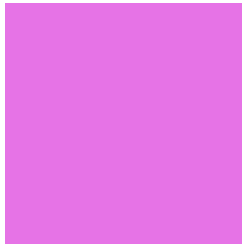
26.5611, 12.7587, 43.4452



1.9628, 0.9428, 3.2105

Previews

White Background



This preview shows how the XYZ color 53.0468, 34.7976, 78.7837 looks on a white background.

Color Contrast Check

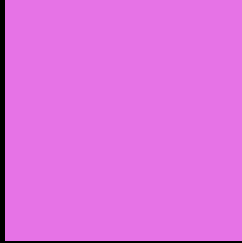
Large Text (above 18pt) WCAG AA × Fail

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 53.0468, 34.7976, 78.7837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

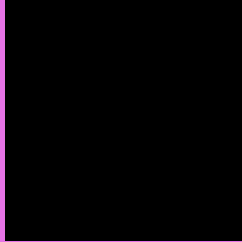
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.0468, 34.7976, 78.7837

Background



This preview shows how black text looks on a background with the XYZ color 53.0468, 34.7976, 78.7837.



This preview shows how white text looks on a background with the XYZ color 53.0468, 34.7976,

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

53.0468, 34.7976, 78.7837

Protanopia

37.9921, 35.3989, 99.4380

Deuteranopia

35.8929, 35.1309, 73.9964



Tritanopia

43.3675, 34.6189, 31.5905

Trichromacy



Original Color

53.0468, 34.7976, 78.7837



Protanomaly

41.0055, 33.5769, 91.5085



Deuteranomaly

40.0582, 33.4402, 75.5775



Tritanomaly

46.3955, 34.4600, 45.8011

Monochromacy



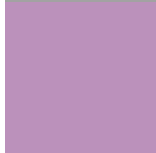
Original Color

53.0468, 34.7976, 78.7837



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

39.5886, 34.4034, 51.5677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0468, 34.7976, 78.7837 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, 115, 230)` looks like.

```
.text, #text, p{  
    color:rgb(230, 115, 230)  
}
```

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, 115, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 115, 230) }
```

Border

The CSS property to change the border of an element to XYZ 53.0468, 34.7976, 78.7837 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, 115, 230) }
```


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

```
.border{ border-color:rgb(230, 115, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 115, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 115, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 115, 230);  
box-shadow:4px 4px 4px 4px rgb(230, 115,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0468, 34.7976, 78.7837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 115, 230) }
```

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

```
.background{ background-color: rgb(230,  
115, 230) }
```

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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