

Converting Colors

XYZ(40.3079, 26.2858, 59.8291)

Have a look what the booklet for
XYZ(40.3079, 26.2858, 59.8291)
contains.

XYZ(40.3581, 26.3113, 60.0782)	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(40.3581, 26.3113,
60.0782)**

Conversions

Conversions Part 1

Format	Color
Hex	CC64CC
RGB	204, 100, 204
RGB Percent	80%, 39%, 80%
CMY	0.2000, 0.6078, 0.2000
CMYK	0.00, 0.51, 0.00, 0.20
HSL	300°, 50%, 60%
HSV	300°, 51%, 80%
XYZ	40.3581, 26.3113, 60.0782
YIQ	142.9520, 28.6000, 54.3920

Conversions

Conversions Part 2

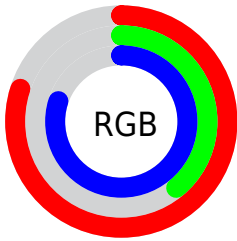
Format	Color
R_{YB}	204, 100, 204
Decimal	13395148
CIE _{Lab}	58.33, 55.42, -35.88
CIE _{LCh}	58, 66.018, 327.076
Yxy	26.3113, 0.3184, 0.2076
Android (android.graphics.Color)	4291585228 (0xFFCC64CC)
YUV	142.9520, 30.0967, 53.5391
Hunter-Lab	51.2945, 50.6768, -33.5366

Details

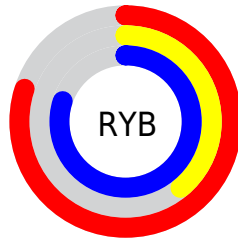
The XYZ color **40.3581, 26.3113, 60.0782** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **29.1498, 46.8162, 19.5581**, and the grayscale version is **25.9660, 27.3182, 29.7495**.

A 20% lighter version of the original color is **71.0113, 51.9227, 100.8871**, and **18.3958, 10.2497, 29.4426** is the 20% darker color. If you saturate the color by 10%, you get **38.6412, 22.8768, 59.5060**, and if you desaturate by 10%, it is **42.5667, 30.7278, 60.8147**.

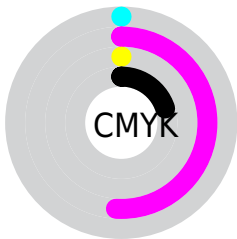
Distribution



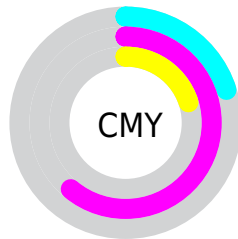
- Red (80%)
- Green (39%)
- Blue (80%)



- Red (80%)
- Yellow (39%)
- Blue (80%)



- Cyan (0%)
- Magenta (51%)
- Yellow (0%)
- Black (20%)





- Cyan (20%)
- Magenta (61%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3581, 26.3113, 60.0782 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 40.3581, 26.3113, 60.0782 by changing the saturation by 10% instead.


 40.3581, 26.3113,
60.0782

 40.3581, 26.3113,
60.0782

338.7392,
284.3069, 442.6986


 28.0033, 17.0567,
43.0560


 74.9894, 53.7767,
106.4876


 18.4686, 10.2749,
29.5973


 97.9966, 72.7563,
136.7118

 11.3887, 5.5816,
19.2837

 125.2853, 95.7463,
172.1738

 6.3981, 2.5924,
11.6965

 157.2209,
123.1312, 213.2920

 3.1316, 0.9228,
6.4174

194.1688,
155.2953, 260.4851

 1.2237, 0.0000,
3.0276

236.4942,

 0.1250, 0.0000,

192.6230, 314.1715

1.1088

284.5625,
235.4987, 374.7698

■ 0.0000, 0.0000,
0.0000

■ 40.3581, 26.3113,
60.0782

■ 40.3581, 26.3113,
60.0782

■ 38.6412, 22.8768,
59.5060

■ 42.5667, 30.7278,
60.8147

■ 37.3758, 20.3462,
59.0841

■ 45.2976, 36.1895,
61.7252

■ 36.5204, 18.6354,
58.7989

■ 48.5822, 42.7588,
62.8201

■ 36.0242, 17.6430,
58.6334

■ 52.4487, 50.4917,
64.1091

■ 35.8013, 17.1972,
58.5590

■ 56.9233, 59.4409,
65.6007

■ 62.0307, 69.6556,
67.3033

■ 67.7940, 81.1823,
69.2245

■ 71.5616, 88.7173,
70.4805

■ 71.5616, 88.7173,
70.4806

Harmonies

Analogous

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



32.7253, 26.3113, 88.9155



40.3581, 26.3113, 60.0782



43.8420, 26.3113, 30.9665

Triad

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



40.3581, 26.3113, 60.0782



25.8049, 26.3113, 3.2792



13.6144, 26.3113, 53.8955

Complementary

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



40.3581, 26.3113, 60.0782



29.1498, 46.8162, 19.5581

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.



12.5284, 26.3113, 26.4492



40.3581, 26.3113, 60.0782



18.6108, 26.3113, 4.5444

Square

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



40.3581, 26.3113, 60.0782



34.3865, 26.3113, 5.2387



14.1468, 26.3113, 10.6937



17.5117, 26.3113, 84.1969

Rectangle

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



40.3581, 26.3113, 60.0782



42.8874, 26.3113, 17.5152



14.1468, 26.3113, 10.6937



12.9502, 26.3113, 43.7151

Sweetspot

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



40.3590, 26.3125, 60.0787



84.0384, 77.9769, 105.2292



20.7129, 16.1845, 59.1599



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.



40.3590, 26.3125, 60.0787



63.7944, 37.4891, 98.4803



35.1276, 24.2199, 32.5306



11.6876, 11.4038, 14.1555



22.5334, 10.8239, 36.8571



1.1625, 0.5584, 1.9014

Inverse Universe

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



40.3590, 26.3125, 60.0787



63.7944, 37.4891, 98.4803



32.5170, 48.1631, 37.2897



11.6876, 11.4038, 14.1555



22.5334, 10.8239, 36.8571



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 40.3581, 26.3113, 60.0782 looks on a white background.

Color Contrast Check

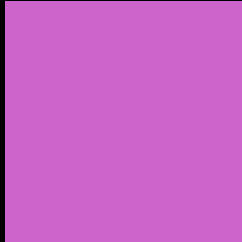
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3581, 26.3113, 60.0782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

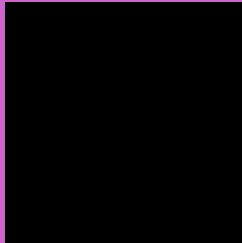
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.3581, 26.3113, 60.0782

Background



This preview shows how black text looks on a background with the XYZ color 40.3581, 26.3113, 60.0782.

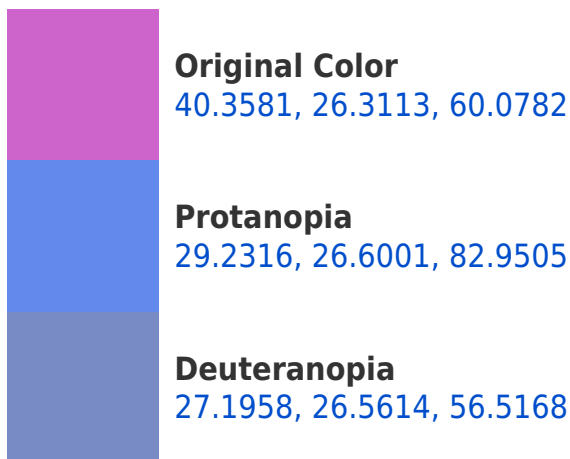


This preview shows how white text looks on a background with the XYZ color 40.3581, 26.3113,

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

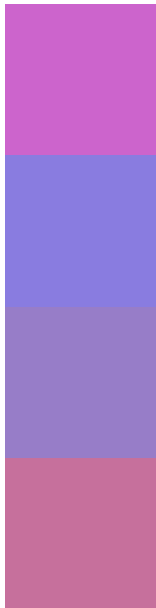




Tritanopia

32.9988, 26.3543, 23.7697

Trichromacy



Original Color

40.3581, 26.3113, 60.0782

Protanomaly

30.9787, 25.1155, 73.7360

Deuteranomaly

30.5214, 25.4167, 57.9408

Tritanomaly

35.0836, 25.9944, 34.6208

Monochromacy



Original Color

40.3581, 26.3113, 60.0782

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

29.8980, 25.8947, 39.0197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3581, 26.3113, 60.0782 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(204, 100, 204)` looks like.

```
.text, #text, p{  
    color:rgb(204, 100, 204)  
}
```

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(204, 100, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 100, 204) }
```

Border

The CSS property to change the border of an element to XYZ 40.3581, 26.3113, 60.0782 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(204, 100, 204) }
```


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

```
.border{ border-color:rgb(204, 100, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 100, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 100, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 100, 204);  
box-shadow:4px 4px 4px 4px rgb(204, 100,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3581, 26.3113, 60.0782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 100, 204) }
```

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

```
.background{ background-color: rgb(204,  
100, 204) }
```

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