

Converting Colors

XYZ(40.2713, 25.0112, 66.4574)

Have a look what the booklet for
XYZ(40.2713, 25.0112, 66.4574)
contains.

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Color

**XYZ(40.3219, 25.0659,
66.3313)**

Conversions

Conversions Part 1

Format	Color
Hex	CA5CD6
RGB	202, 92, 214
RGB Percent	79%, 36%, 84%
CMY	0.2078, 0.6392, 0.1608
CMYK	0.06, 0.57, 0.00, 0.16
HSL	294°, 60%, 60%
HSV	294°, 57%, 84%
XYZ	40.3219, 25.0659, 66.3313
YIQ	138.7980, 26.3980, 61.2620

Conversions

Conversions Part 2

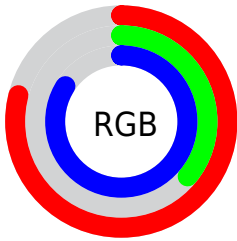
Format	Color
R _{YB}	202, 92, 214
Decimal	13262038
CIE Lab	57.14, 60.44, -43.44
CIE LCh	57, 74.432, 324.293
Yxy	25.0659, 0.3061, 0.1903
Android (android.graphics.Color)	4291452118 (0xFFCA5CD6)
YUV	138.7980, 37.0746, 55.4282
Hunter-Lab	50.0659, 56.1446, -43.5061

Details

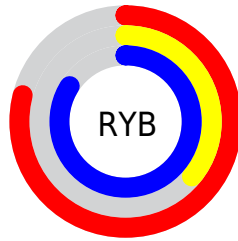
The XYZ color **40.3219, 25.0659, 66.3313** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **31.6880, 51.8094, 18.4564**, and the grayscale version is **24.3190, 25.5854, 27.8625**.

A 20% lighter version of the original color is **69.7237, 49.3474, 100.4579**, and **18.4789, 9.6107, 33.6820** is the 20% darker color. If you saturate the color by 10%, you get **38.1578, 21.5766, 65.7722**, and if you desaturate by 10%, it is **43.0191, 29.6083, 67.0663**.

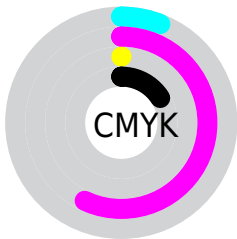
Distribution



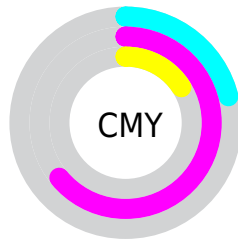
- Red (79%)
- Green (36%)
- Blue (84%)



- Red (79%)
- Yellow (36%)
- Blue (84%)



- Cyan (6%)
- Magenta (57%)
- Yellow (0%)
- Black (16%)





- Cyan (21%)
- Magenta (64%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3219, 25.0659, 66.3313 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 40.3219, 25.0659, 66.3313 by changing the saturation by 10% instead.

 40.3219, 25.0659,
66.3313


 40.3219, 25.0659,
66.3313


338.5897,
278.1660, 465.9973


 27.9749, 16.1262,
48.0832


 74.9347, 51.7641,
115.5932


 18.4471, 9.6135,
33.5323


 97.9312, 70.2914,
147.4442

 11.3731, 5.1434,
22.2601


 125.2083, 92.7833,
184.6665

 6.3875, 2.3317,
13.8480

 157.1313,
119.6242, 227.6787

 3.1250, 0.7904,
7.8775

194.0656,
151.1985, 276.8993

 1.2202, 0.0000,
3.9300

236.3765,

 0.1222, 0.0000,

187.8907, 332.7469

1.5870

284.4294,
230.0850, 395.6401

■ 0.0000, 0.0000,
0.2815

■ 0.0000, 0.0000,
0.0000

■ 40.3219, 25.0659,
66.3313

■ 40.3219, 25.0659,
66.3313

■ 38.1578, 21.5766,
65.7722

■ 43.0191, 29.6083,
67.0663

■ 36.4785, 19.0464,
65.3724


■ 46.2868, 35.2807,
67.9889


■ 35.2320, 17.3702,
65.1145


■ 50.1620, 42.1566,
69.1119


■ 34.3484, 16.4083,
64.9754


■ 54.6779, 50.3024,
70.4462


 34.1179, 16.1863,
64.9447

 59.8654, 59.7795,
72.0020

 65.7532, 70.6456,
73.7891

 72.3684, 82.9546,
75.8163

 77.0630, 91.4103,
77.2010

 77.6996, 91.7385,
77.2308

Harmonies

Analogous

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



31.4630, 25.0659, 99.2887



40.3219, 25.0659, 66.3313



44.8693, 25.0659, 32.3857

Triad

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



40.3219, 25.0659, 66.3313



25.5421, 25.0659, 1.9181



11.5162, 25.0659, 52.3940

Complementary

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



40.3219, 25.0659, 66.3313



31.6880, 51.8094, 18.4564

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.



10.6690, 25.0659, 22.7634



40.3219, 25.0659, 66.3313



17.5345, 25.0659, 2.6916

Square

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



40.3219, 25.0659, 66.3313



35.0926, 25.0659, 3.8532



12.5809, 25.0659, 7.6873



15.2704, 25.0659, 88.3497

Rectangle

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



40.3219, 25.0659, 66.3313



44.2035, 25.0659, 17.0153



12.5809, 25.0659, 7.6873



10.9279, 25.0659, 41.0471

Sweetspot

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



40.3228, 25.0670, 66.3318



81.1948, 74.5925, 104.7261



21.5227, 17.0724, 65.7796



17.0711, 15.4075, 22.3241



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.



40.3228, 25.0670, 66.3318



56.2788, 31.3621, 97.6950



38.3692, 24.6753, 38.4344



12.8271, 12.5678, 15.6873



20.6716, 9.8091, 39.2570



1.2825, 0.6100, 2.3695

Inverse Universe

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



34.0581, 22.9509, 15.7325



46.4629, 28.1287, 14.6985



33.2539, 52.2862, 33.4621



12.4724, 12.4405, 13.1618



16.8616, 8.6809, 1.3092



1.0344, 0.5305, 0.1703

Previews

White Background



This preview shows how the XYZ color 40.3219, 25.0659, 66.3313 looks on a white background.

Color Contrast Check

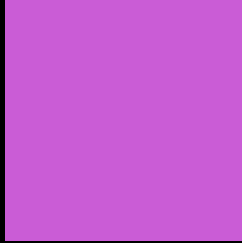
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3219, 25.0659, 66.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

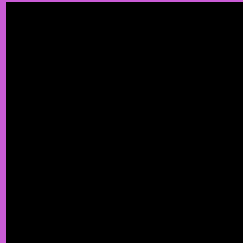
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.3219, 25.0659, 66.3313

Background



This preview shows how black text looks on a background with the XYZ color 40.3219, 25.0659, 66.3313.

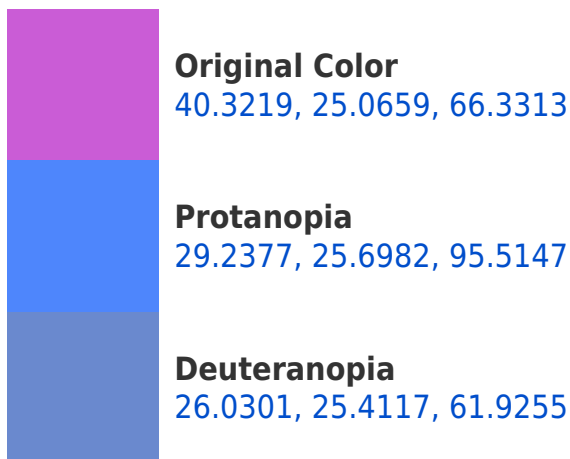


This preview shows how white text looks on a background with the XYZ color 40.3219, 25.0659,

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

31.4329, 25.0478, 22.5801

Trichromacy



Original Color

40.3219, 25.0659, 66.3313



Protanomaly

30.1978, 23.5777, 83.8483



Deuteranomaly

29.3305, 23.9409, 63.3968



Tritanomaly

33.8492, 24.5518, 34.8532

Monochromacy



Original Color

40.3219, 25.0659, 66.3313



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

28.7428, 24.3536, 39.2622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3219, 25.0659, 66.3313 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(202, 92, 214)` looks like.

```
.text, #text, p{  
    color:rgb(202, 92, 214)  
}
```

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(202, 92, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 92, 214) }
```

Border

The CSS property to change the border of an element to XYZ 40.3219, 25.0659, 66.3313 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(202, 92, 214) }
```


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

```
.border{ border-color:rgb(202, 92, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 92, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 92, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 92, 214);  
box-shadow:4px 4px 4px 4px rgb(202, 92,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3219, 25.0659, 66.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 92, 214) }
```

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

```
.background{ background-color: rgb(202, 92,  
214) }
```

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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