

Converting Colors

XYZ(40.5325, 26.6606, 60.1359)

Have a look what the booklet for
XYZ(40.5325, 26.6606, 60.1359)
contains.

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Color

**XYZ(40.5523, 26.6997,
60.1430)**

Conversions

Conversions Part 1

Format	Color
Hex	CC66CC
RGB	204, 102, 204
RGB Percent	80%, 40%, 80%
CMY	0.2000, 0.6000, 0.2000
CMYK	0.00, 0.50, 0.00, 0.20
HSL	300°, 50%, 60%
HSV	300°, 50%, 80%
XYZ	40.5523, 26.6997, 60.1430
YIQ	144.1260, 28.0500, 53.3460

Conversions

Conversions Part 2

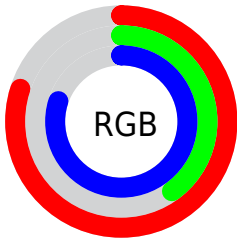
Format	Color
RYB	204, 102, 204
Decimal	13395660
CIELab	58.70, 54.45, -35.31
CIELCh	59, 64.897, 327.034
Yxy	26.6997, 0.3183, 0.2096
Android (android.graphics.Color)	4291585740 (0xFFCC66CC)
YUV	144.1260, 29.5179, 52.5095
Hunter-Lab	51.6718, 49.6623, -32.8400

Details

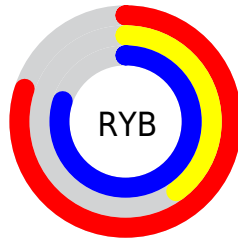
The XYZ color **40.5523, 26.6997, 60.1430** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **29.4718, 46.9709, 20.0848**, and the grayscale version is **26.4378, 27.8146, 30.2901**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **18.4740, 10.4060, 29.4686** is the 20% darker color. If you saturate the color by 10%, you get **38.7889, 23.1723, 59.5554**, and if you desaturate by 10%, it is **42.8108, 31.2159, 60.8962**.

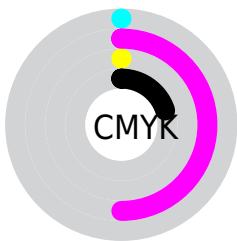
Distribution



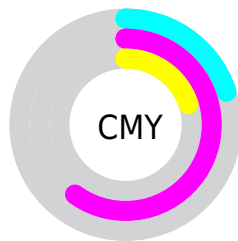
- Red (80%)
- Green (40%)
- Blue (80%)



- Red (80%)
- Yellow (40%)
- Blue (80%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (20%)





- Cyan (20%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5523, 26.6997, 60.1430 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 40.5523, 26.6997, 60.1430 by changing the saturation by 10% instead.


 40.5523, 26.6997,
60.1430


 40.5523, 26.6997,
60.1430


339.5406,
286.2002, 442.9439

 28.1556, 17.3478,
43.1079


 75.2828, 54.4016,
106.5825


 18.5840, 10.4828,
29.6377


 98.3473, 73.5204,
136.8239

 11.4723, 5.7202,
19.3141


 125.6984, 96.6637,
172.3045

 6.4551, 2.6757,
11.7183

 157.7015,
124.2157, 213.4428

 3.1670, 0.9649,
6.4320

194.7219,
156.5610, 260.6573

 1.2427, 0.0000,
3.0365

237.1249,

 0.1397, 0.0000,

194.0839, 314.3667

1.1133

285.2761,
237.1688, 374.9894

■ 0.0000, 0.0000,
0.0000

■ 40.5523, 26.6997,
60.1430

■ 40.5523, 26.6997,
60.1430

■ 38.7889, 23.1723,
59.5554

■ 42.8108, 31.2159,
60.8962

■ 37.4810, 20.5566,
59.1193

■ 45.5946, 36.7837,
61.8242

■ 36.5875, 18.7696,
58.8214


■ 48.9351, 43.4645,
62.9378


■ 36.0587, 17.7119,
58.6450


■ 52.8601, 51.3145,
64.2462


■ 35.8013, 17.1973,
58.5591


■ 57.3956, 60.3856,
65.7582

 35.8013, 17.1972,
58.5591

 62.5663, 70.7268,
67.4818

 68.3952, 82.3846,
69.4249

 71.5616, 88.7173,
70.4804

 71.5616, 88.7173,
70.4805

Harmonies

Analogous

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



33.0107, 26.6997, 88.4193



40.5523, 26.6997, 60.1430



43.9944, 26.6997, 31.4055

Triad

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



40.5523, 26.6997, 60.1430



26.1797, 26.6997, 3.5636



14.0155, 26.6997, 53.9715

Complementary

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



40.5523, 26.6997, 60.1430



29.4718, 46.9709, 20.0848

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.



12.9300, 26.6997, 26.8560



40.5523, 26.6997, 60.1430



19.0219, 26.6997, 4.8669

Square

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



40.5523, 26.6997, 60.1430



34.6769, 26.6997, 5.5909



14.5569, 26.6997, 11.1149



17.9094, 26.6997, 83.7307

Rectangle

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



40.5523, 26.6997, 60.1430



43.0593, 26.6997, 18.0041



14.5569, 26.6997, 11.1149



13.3508, 26.6997, 43.9396

Sweetspot

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



40.5532, 26.7009, 60.1436



84.0384, 77.9769, 105.2292



21.1311, 16.6884, 59.2351



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.



40.5532, 26.7009, 60.1436



64.0412, 37.9827, 98.5628



35.4041, 24.6412, 33.0285



11.6876, 11.4038, 14.1555



22.5334, 10.8240, 36.8572



1.1625, 0.5584, 1.9014

Inverse Universe

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



40.5532, 26.7009, 60.1436



64.0412, 37.9827, 98.5628



32.8233, 48.3115, 37.7334



11.6876, 11.4038, 14.1555



22.5334, 10.8240, 36.8572



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 40.5523, 26.6997, 60.1430 looks on a white background.

Color Contrast Check

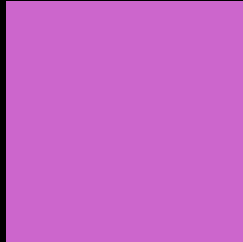
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.5523, 26.6997, 60.1430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

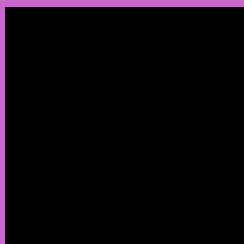
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.5523, 26.6997, 60.1430

Background



This preview shows how black text looks on a background with the XYZ color 40.5523, 26.6997, 60.1430.



This preview shows how white text looks on a background with the XYZ color 40.5523, 26.6997,

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

40.5523, 26.6997, 60.1430

Protanopia

29.5634, 26.9999, 82.2506

Deuteranopia

27.6245, 26.9983, 56.5786



Tritanopia

33.1846, 26.6200, 24.1580

Trichromacy



Original Color

40.5523, 26.6997, 60.1430

Protanomaly

31.4356, 25.5380, 73.7935

Deuteranomaly

30.8351, 25.7672, 57.9920

Tritanomaly

35.1946, 26.2163, 34.6578

Monochromacy



Original Color

40.5523, 26.6997, 60.1430

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.4591, 26.5607, 39.5977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5523, 26.6997, 60.1430 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, 102, 204)` looks like.

```
.text, #text, p{  
    color:rgb(204, 102, 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, 102, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 102, 204) }
```

Border

The CSS property to change the border of an element to XYZ 40.5523, 26.6997, 60.1430 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, 102, 204) }
```


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

```
.border{ border-color:rgb(204, 102, 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, 102, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 102, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 102, 204);  
box-shadow:4px 4px 4px 4px rgb(204, 102,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5523, 26.6997, 60.1430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 102, 204) }
```

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

```
.background{ background-color: rgb(204,  
102, 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](#).

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