

Converting Colors

XYZ(30.3430, 20.5099, 41.2454)

Have a look what the booklet for
XYZ(30.3430, 20.5099, 41.2454)
contains.

XYZ(30.3296, 20.4566, 41.3797)	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(30.3296, 20.4566,
41.3797)**

Conversions

Conversions Part 1

Format	Color
Hex	B55CAC
RGB	181, 92, 172
RGB Percent	71%, 36%, 67%
CMY	0.2902, 0.6392, 0.3255
CMYK	0.00, 0.49, 0.05, 0.29
HSL	306°, 38%, 54%
HSV	306°, 49%, 71%
XYZ	30.3296, 20.4566, 41.3797
YIQ	127.7310, 27.3640, 43.7480

Conversions

Conversions Part 2

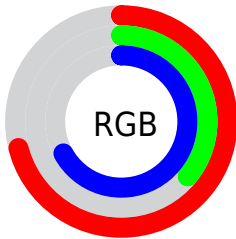
Format	Color
R _{YB}	181, 92, 172
Decimal	11885740
CIE _{Lab}	52.35, 47.06, -27.02
CIE _{LCh}	52, 54.271, 330.136
Yxy	20.4566, 0.3291, 0.2220
Android (android.graphics.Color)	4290075820 (0xFFB55CAC)
YUV	127.7310, 21.8246, 46.7169
Hunter-Lab	45.2290, 40.5477, -22.5838

Details

The XYZ color **30.3296, 20.4566, 41.3797** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.2874, 36.2634, 18.0854**, and the grayscale version is **20.3457, 21.4052, 23.3103**.

A 20% lighter version of the original color is **59.7256, 44.2030, 78.7829**, and **12.6595, 7.2186, 18.1789** is the 20% darker color. If you saturate the color by 10%, you get **28.7705, 17.6174, 39.9987**, and if you desaturate by 10%, it is **32.2670, 24.0477, 42.8991**.

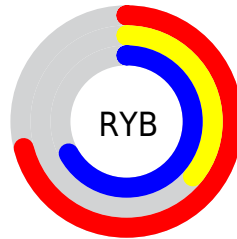
Distribution



Red (71%)

Green (36%)

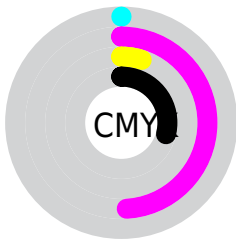
Blue (67%)



Red (71%)

Yellow (36%)

Blue (67%)

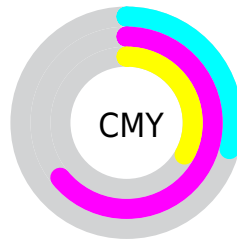


Cyan (0%)

Magenta (49%)

Yellow (5%)

Black (29%)



Cyan (29%)

Magenta (64%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3296, 20.4566, 41.3797 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 30.3296, 20.4566, 41.3797 by changing the saturation by 10% instead.

30.3296, 20.4566,
41.3797

30.3296, 20.4566,
41.3797

295.3201,
254.3763, 367.6286

20.2382, 12.7274,
28.2940

59.5661, 44.1814,
78.5199

12.6776, 7.2411,
18.3064

79.4419, 60.9458,
103.4114

7.2824, 3.6133,
10.9985

103.3099, 81.4906,
133.0753

3.6872, 1.4597,
5.9517

131.5354,
106.2004, 167.9300

1.5267, 0.2601,
2.7474

164.4839,
135.4595, 208.3942

0.3439, 0.0000,
0.9671

202.5206,

0.0000, 0.0000,

169.6522, 254.8863

0.0000

246.0109,
209.1630, 307.8249

■ 30.3296, 20.4566,
41.3797

■ 30.3296, 20.4566,
41.3797

■ 28.7705, 17.6174,
39.9987

■ 32.2670, 24.0477,
42.8991

■ 27.5606, 15.4731,
38.7458

■ 34.6052, 28.4369,
44.5639

■ 26.6697, 13.9632,
37.6112


■ 37.3672, 33.6697,
46.3821


■ 26.0618, 13.0153,
36.5826


■ 40.5737, 39.7877,
48.3604


■ 25.6699, 12.4954,
35.6379


■ 44.2441, 46.8295,
50.5056

 25.6399, 12.4573,
35.5608

 48.3966, 54.8315,
52.8236

 53.0483, 63.8282,
55.3203

 58.2158, 73.8522,
58.0011

 63.9146, 84.9349,
60.8714

Harmonies

Analogous

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



25.3524, 20.4566, 60.8949



30.3296, 20.4566, 41.3797



32.2895, 20.4566, 22.2008

Triad

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



30.3296, 20.4566, 41.3797



19.4179, 20.4566, 3.4970



11.5524, 20.4566, 41.5712

Complementary

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



30.3296, 20.4566, 41.3797



23.2874, 36.2634, 18.0854

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.



10.5561, 20.4566, 22.3469



30.3296, 20.4566, 41.3797



14.5323, 20.4566, 4.8525

Square

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



30.3296, 20.4566, 41.3797



25.2997, 20.4566, 4.8261



11.5344, 20.4566, 10.1957



14.5687, 20.4566, 61.0379

Rectangle

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



30.3296, 20.4566, 41.3797



31.3772, 20.4566, 13.2708



11.5344, 20.4566, 10.1957



10.9992, 20.4566, 34.6358

Sweetspot

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



30.3303, 20.4575, 41.3801



69.0765, 64.4018, 84.4218



17.5242, 13.7525, 45.4475



14.6804, 13.4440, 18.0906



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.3303, 20.4575, 41.3801



51.3270, 31.1931, 71.4444



26.7540, 19.0270, 22.5479



8.8123, 8.6316, 10.5098



17.6901, 8.5936, 24.5918



0.5672, 0.2746, 0.8296

Inverse Universe

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



30.3303, 20.4575, 41.3801



51.3270, 31.1931, 71.4444



26.0801, 37.3805, 32.7916



8.8123, 8.6316, 10.5098



17.6901, 8.5936, 24.5918



0.5672, 0.2746, 0.8296

Previews

White Background



This preview shows how the XYZ color 30.3296, 20.4566, 41.3797 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 30.3296, 20.4566, 41.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

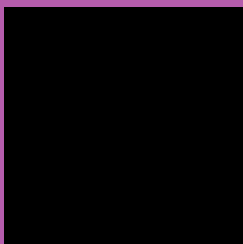
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.3296, 20.4566, 41.3797

Background



This preview shows how black text looks on a background with the XYZ color 30.3296, 20.4566, 41.3797.



This preview shows how white text looks on a background with the XYZ color 30.3296, 20.4566,

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

30.3296, 20.4566, 41.3797

Protanopia

22.1980, 20.7938, 55.6670

Deuteranopia

21.0361, 20.5639, 38.9369



Tritanopia

25.5902, 20.4990, 18.2307

Trichromacy



Original Color

30.3296, 20.4566, 41.3797



Protanomaly

23.7734, 19.8084, 50.1474



Deuteranomaly

23.5095, 19.9045, 39.6486



Tritanomaly

27.0882, 20.3757, 25.0595

Monochromacy



Original Color

30.3296, 20.4566, 41.3797



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

23.1974, 20.4781, 29.1156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3296, 20.4566, 41.3797 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(181, 92, 172)` looks like.

```
.text, #text, p{  
    color:rgb(181, 92, 172)  
}
```

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(181, 92, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 92, 172) }
```

Border

The CSS property to change the border of an element to XYZ 30.3296, 20.4566, 41.3797 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(181, 92, 172) }
```


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

```
.border{ border-color:rgb(181, 92, 172) }
```

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

Here you see how a box with a 4 pixel rgb(181, 92, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 92, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 92, 172);  
box-shadow:4px 4px 4px 4px rgb(181, 92,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3296, 20.4566, 41.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 92, 172) }
```

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

```
.background{ background-color: rgb(181, 92,  
172) }
```

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