

Converting Colors

XYZ(36.5973, 21.4981, 53.0767)

Have a look what the booklet for
XYZ(36.5973, 21.4981, 53.0767)
contains.

XYZ(36.6108, 21.4838, 53.2561)	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(36.6108, 21.4838,
53.2561)**

Conversions

Conversions Part 1

Format	Color
Hex	CA4BC2
RGB	202, 75, 194
RGB Percent	79%, 29%, 76%
CMY	0.2078, 0.7059, 0.2392
CMYK	0.00, 0.63, 0.04, 0.21
HSL	304°, 55%, 54%
HSV	304°, 63%, 79%
XYZ	36.6108, 21.4838, 53.2561
YIQ	126.5390, 37.4930, 63.9330

Conversions

Conversions Part 2

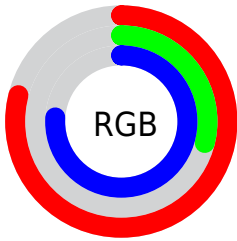
Format	Color
R_{YB}	202, 75, 194
Decimal	13257666
CIE _{Lab}	53.47, 64.34, -37.80
CIE _{LCh}	53, 74.617, 329.568
Yxy	21.4838, 0.3288, 0.1929
Android (android.graphics.Color)	4291447746 (0xFFCA4BC2)
YUV	126.5390, 33.2583, 66.1793
Hunter-Lab	46.3506, 59.8776, -35.6778

Details

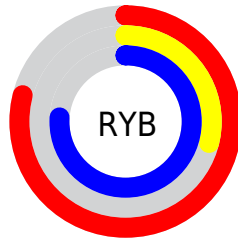
The XYZ color **36.6108, 21.4838, 53.2561** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **25.5845, 44.3623, 15.3994**, and the grayscale version is **19.8970, 20.9332, 22.7962**.

A 20% lighter version of the original color is **66.9039, 44.7276, 96.3738**, and **16.4107, 7.9132, 25.4734** is the 20% darker color. If you saturate the color by 10%, you get **35.3097, 19.1088, 52.1204**, and if you desaturate by 10%, it is **38.3495, 24.7309, 54.5441**.

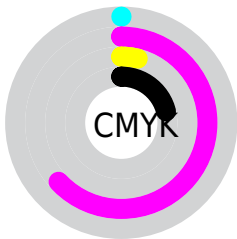
Distribution



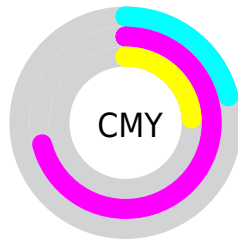
- Red (79%)
- Green (29%)
- Blue (76%)



- Red (79%)
- Yellow (29%)
- Blue (76%)



- Cyan (0%)
- Magenta (63%)
- Yellow (4%)
- Black (21%)





- Cyan (21%)
- Magenta (71%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6108, 21.4838, 53.2561 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 36.6108, 21.4838, 53.2561 by changing the saturation by 10% instead.

 36.6108, 21.4838,
53.2561


 36.6108, 21.4838,
53.2561


323.0073,
259.8386, 416.3610


 25.0786, 13.4781,
37.6181


 69.2915, 45.8913,
96.4265


 16.2647, 7.7586,
25.3869


 91.1707, 63.0620,
124.7960

 9.8037, 3.9409,
16.1439


 117.2296, 84.0563,
158.2464

 5.3302, 1.6405,
9.4706

 147.8336,
109.2589, 197.1962

 2.4790, 0.3847,
4.9484

 183.3480,
139.0540, 242.0641

 0.8847, 0.0000,
2.1588

224.1382,

 0.0000, 0.0000,

173.8260, 293.2685

0.6504

270.5695,
213.9594, 351.2279

■ 0.0000, 0.0000,
0.0000

■ 36.6108, 21.4838,
53.2561

■ 36.6108, 21.4838,
53.2561

■ 35.3097, 19.1088,
52.1204

■ 38.3495, 24.7309,
54.5441

■ 34.4011, 17.5174,
51.1213

■ 40.5607, 28.9215,
55.9954

■ 33.8342, 16.6075,
50.2422

■ 43.2784, 34.1233,
57.6217

■ 33.5726, 16.2428,
49.6665

■ 46.5328, 40.3966,
59.4329

■ 50.3520, 47.7973,
61.4385

■ 54.7617, 56.3771,
63.6470

■ 59.7863, 66.1848,
66.0667

■ 65.4489, 77.2663,
68.7051

■ 71.1917, 88.5064,
71.3765

Harmonies

Analogous

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



28.9158, 21.4838, 85.7355



36.6108, 21.4838, 53.2561



39.8023, 21.4838, 23.7236

Triad

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



36.6108, 21.4838, 53.2561



20.5351, 21.4838, 1.2543



9.8129, 21.4838, 52.2734

Complementary

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



36.6108, 21.4838, 53.2561



25.5845, 44.3623, 15.3994

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.



8.6434, 21.4838, 23.0639



36.6108, 21.4838, 53.2561



13.7758, 21.4838, 2.2502

Square

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



36.6108, 21.4838, 53.2561



29.1681, 21.4838, 2.3202



9.8837, 21.4838, 7.5014



13.6229, 21.4838, 84.9537

Rectangle

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



36.6108, 21.4838, 53.2561



38.4432, 21.4838, 11.5933



9.8837, 21.4838, 7.5014



9.1497, 21.4838, 41.3002

Sweetspot

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



36.6116, 21.4848, 53.2565



81.0063, 72.6929, 101.8136



16.6013, 11.0625, 57.1380



16.9546, 14.8161, 21.5875



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.



36.6116, 21.4848, 53.2565



59.2296, 31.3668, 87.6881



31.0493, 19.2599, 23.9661



11.6559, 11.3911, 13.9883



21.6158, 10.4569, 32.0252



1.1246, 0.5432, 1.7019

Inverse Universe

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



36.6116, 21.4848, 53.2565



59.2296, 31.3668, 87.6881



29.1225, 45.7775, 34.0299



11.6559, 11.3911, 13.9883



21.6158, 10.4569, 32.0252



1.1246, 0.5432, 1.7019

Previews

White Background



This preview shows how the XYZ color 36.6108, 21.4838, 53.2561 looks on a white background.

Color Contrast Check

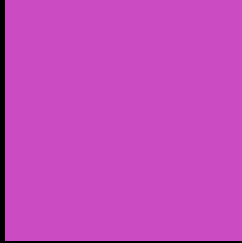
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6108, 21.4838, 53.2561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

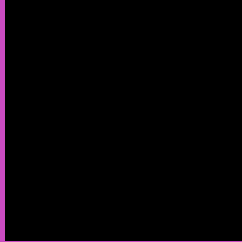
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.6108, 21.4838, 53.2561

Background



This preview shows how black text looks on a background with the XYZ color 36.6108, 21.4838, 53.2561.



This preview shows how white text looks on a background with the XYZ color 36.6108, 21.4838,

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

36.6108, 21.4838, 53.2561

Protanopia

25.2205, 22.1055, 83.8264

Deuteranopia

22.2780, 21.7272, 49.4740



Tritanopia

28.9492, 21.3823, 16.5113

Trichromacy



Original Color

36.6108, 21.4838, 53.2561



Protanomaly

25.7786, 19.5712, 71.5262



Deuteranomaly

25.3631, 19.9747, 50.6628



Tritanomaly

31.1662, 21.0820, 26.8527

Monochromacy



Original Color

36.6108, 21.4838, 53.2561



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

24.2749, 19.8295, 31.8262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6108, 21.4838, 53.2561 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, 75, 194)` looks like.

```
.text, #text, p{  
    color:rgb(202, 75, 194)  
}
```

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, 75, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 75, 194) }
```

Border

The CSS property to change the border of an element to XYZ 36.6108, 21.4838, 53.2561 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, 75, 194) }
```


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

```
.border{ border-color:rgb(202, 75, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 75, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 75, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 75, 194);  
box-shadow:4px 4px 4px 4px rgb(202, 75,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6108, 21.4838, 53.2561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 75, 194) }
```

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

```
.background{ background-color: rgb(202, 75,  
194) }
```

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