

Converting Colors

XYZ(36.3353, 23.0214, 66.2808)

Have a look what the booklet for
XYZ(36.3353, 23.0214, 66.2808)
contains.

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Color

**XYZ(36.2144, 22.9484,
66.1391)**

Conversions

Conversions Part 1

Format	Color
Hex	BA5CD6
RGB	186, 92, 214
RGB Percent	73%, 36%, 84%
CMY	0.2706, 0.6392, 0.1608
CMYK	0.13, 0.57, 0.00, 0.16
HSL	286°, 60%, 60%
HSV	286°, 57%, 84%
XYZ	36.2144, 22.9484, 66.1391
YIQ	134.0140, 16.8620, 57.8700

Conversions

Conversions Part 2

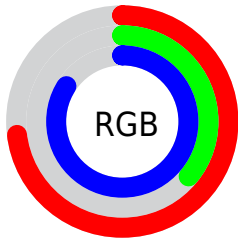
Format	Color
RYB	186, 92, 214
Decimal	12213462
CIELab	55.02, 56.36, -46.93
CIElCh	55, 73.345, 320.216
Yxy	22.9484, 0.2890, 0.1831
Android (android.graphics.Color)	4290403542 (0xFFBA5CD6)
YUV	134.0140, 39.4331, 45.5917
Hunter-Lab	47.9045, 51.1080, -48.3253

Details

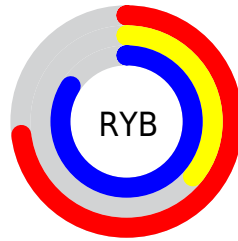
The XYZ color **36.2144, 22.9484, 66.1391** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **33.7247, 52.8594, 18.5515**, and the grayscale version is **22.5214, 23.6943, 25.8030**.

A 20% lighter version of the original color is **65.6371, 47.0109, 100.2223**, and **16.1255, 8.5722, 33.6056** is the 20% darker color. If you saturate the color by 10%, you get **33.4431, 19.1460, 65.5516**, and if you desaturate by 10%, it is **39.5520, 27.8208, 66.9040**.

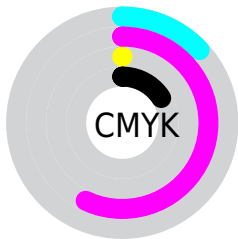
Distribution



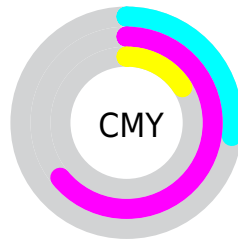
- Red (73%)
- Green (36%)
- Blue (84%)



- Red (73%)
- Yellow (36%)
- Blue (84%)



- Cyan (13%)
- Magenta (57%)
- Yellow (0%)
- Black (16%)



- Cyan (27%)
- Magenta (64%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2144, 22.9484, 66.1391 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 36.2144, 22.9484, 66.1391 by changing the saturation by 10% instead.

36.2144, 22.9484,
66.1391

36.2144, 22.9484,
66.1391

321.3116,
267.4599, 465.2920

24.7707, 14.5554,
47.9281

68.6846, 48.3086,
115.3149

16.0341, 8.5080,
33.4104

90.4417, 66.0446,
147.1167

9.6393, 4.4217,
22.1673

116.3675, 87.6637,
184.2860

5.2209, 1.9121,
13.7804

146.8271,
113.5503, 227.2412

2.4135, 0.5557,
7.8311

182.1859,
144.0888, 276.4008

0.8519, 0.0000,
3.9008

222.8094,

0.0000, 0.0000,

179.6637, 332.1835

1.5711

269.0628,
220.6592, 395.0077

■ 0.0000, 0.0000,
0.2701

■ 0.0000, 0.0000,
0.0000

■ 36.2144, 22.9484,
66.1391

■ 36.2144, 22.9484,
66.1391

■ 33.4431, 19.1460,
65.5516

■ 39.5520, 27.8208,
66.9040

■ 31.1895, 16.3198,
65.1248

■ 43.4937, 33.8406,
67.8582

■ 29.4012, 14.3643,
64.8417

■ 48.0769, 41.0815,
69.0143

■ 28.0078, 13.1396,
64.6787

■ 53.3352, 49.6099,
70.3833

27.6311, 12.8422,
64.6412

59.2998, 59.4876,
71.9755

65.9997, 70.7723,
73.8005

73.4624, 83.5181,
75.8674

79.0404, 92.4298,
77.2935

80.5964, 93.2319,
77.3664

Harmonies

Analogous

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



27.6905, 22.9484, 95.2440



36.2144, 22.9484, 66.1391



41.1971, 22.9484, 33.4203

Triad

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



36.2144, 22.9484, 66.1391



24.5860, 22.9484, 1.7185



10.1594, 22.9484, 43.9363

Complementary

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



36.2144, 22.9484, 66.1391



33.7247, 52.8594, 18.5515

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.



9.7224, 22.9484, 18.1069



36.2144, 22.9484, 66.1391



16.8302, 22.9484, 2.0982

Square

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



36.2144, 22.9484, 66.1391



33.4610, 22.9484, 3.9278



11.8458, 22.9484, 5.8606



13.2389, 22.9484, 77.8118

Rectangle

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



36.2144, 22.9484, 66.1391



41.1658, 22.9484, 17.8393



11.8458, 22.9484, 5.8606



9.7344, 22.9484, 33.8266

Sweetspot

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



36.2153, 22.9494, 66.1396



79.1801, 73.5538, 104.6318



23.3248, 20.6768, 66.3804



16.5910, 15.1600, 22.3017



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.



36.2153, 22.9494, 66.1396



49.1215, 27.6724, 97.3601



39.9478, 25.3066, 46.7475



12.6614, 12.4824, 15.6795



16.7958, 7.8111, 39.0756



1.0826, 0.5070, 2.3601

Inverse Universe

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



34.9495, 23.3073, 20.4268



47.7027, 28.6246, 21.2276



32.1328, 51.8378, 27.5592



12.5388, 12.4670, 13.5118



17.1316, 8.7890, 2.7313



1.0655, 0.5430, 0.3343

Previews

White Background



This preview shows how the XYZ color 36.2144, 22.9484, 66.1391 looks on a white background.

Color Contrast Check

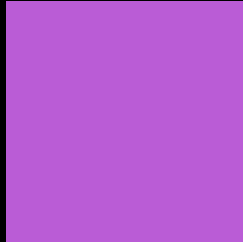
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2144, 22.9484, 66.1391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

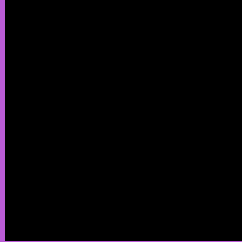
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.2144, 22.9484, 66.1391

Background



This preview shows how black text looks on a background with the XYZ color 36.2144, 22.9484, 66.1391.



This preview shows how white text looks on a background with the XYZ color 36.2144, 22.9484,

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

36.2144, 22.9484, 66.1391

Protanopia

26.9772, 23.4089, 91.9035

Deuteranopia

23.9274, 23.2828, 62.2644



Tritanopia

27.1806, 22.8557, 22.3810

Trichromacy



Original Color

36.2144, 22.9484, 66.1391



Protanomaly

27.7015, 21.6326, 82.0724



Deuteranomaly

26.5983, 21.8113, 63.7809



Tritanomaly

29.7036, 22.4147, 34.6592

Monochromacy



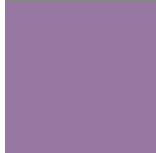
Original Color

36.2144, 22.9484, 66.1391



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

26.3446, 22.6103, 37.6260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2144, 22.9484, 66.1391 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(186, 92, 214)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 92, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 92, 214) }
```

Border

The CSS property to change the border of an element to XYZ 36.2144, 22.9484, 66.1391 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(186, 92, 214) }
```


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

```
.border{ border-color:rgb(186, 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(186, 92, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 92, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 92, 214);  
box-shadow:4px 4px 4px 4px rgb(186, 92,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2144, 22.9484, 66.1391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 92, 214) }
```

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

```
.background{ background-color: rgb(186, 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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