

Converting Colors

XYZ(33.7468, 22.9434, 37.3158)

Have a look what the booklet for
XYZ(33.7468, 22.9434, 37.3158)
contains.

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Color

**XYZ(33.6505, 22.9295,
37.3026)**

Conversions

Conversions Part 1

Format	Color
Hex	C461A3
RGB	196, 97, 163
RGB Percent	77%, 38%, 64%
CMY	0.2314, 0.6196, 0.3608
CMYK	0.00, 0.51, 0.17, 0.23
HSL	320°, 46%, 57%
HSV	320°, 51%, 77%
XYZ	33.6505, 22.9295, 37.3026
YIQ	134.1250, 37.8180, 41.5140

Conversions

Conversions Part 2

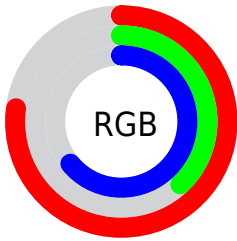
Format	Color
R_{YB}	196, 97, 163
Decimal	12870051
CIE Lab	55.00, 47.68, -17.53
CIE LCh	55, 50.804, 339.813
Yxy	22.9295, 0.3584, 0.2442
Android (android.graphics.Color)	4291060131 (0xFFC461A3)
YUV	134.1250, 14.2354, 54.2644
Hunter-Lab	47.8848, 41.6406, -12.6680

Details

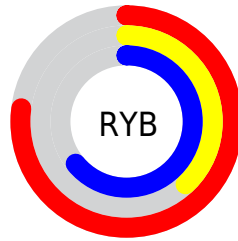
The XYZ color **33.6505, 22.9295, 37.3026** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **28.7000, 43.6337, 28.0305**, and the grayscale version is **22.6463, 23.8256, 25.9461**.

A 20% lighter version of the original color is **64.9615, 48.4552, 72.2586**, and **14.5851, 8.5245, 15.9156** is the 20% darker color. If you saturate the color by 10%, you get **31.4878, 19.5167, 33.7677**, and if you desaturate by 10%, it is **36.2922, 27.2514, 41.1469**.

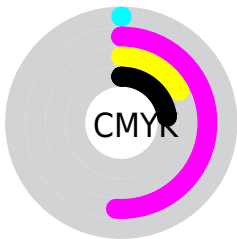
Distribution



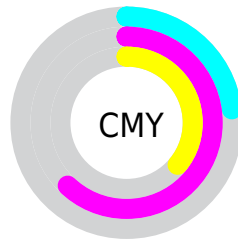
- Red (77%)
- Green (38%)
- Blue (64%)



- Red (77%)
- Yellow (38%)
- Blue (64%)



- Cyan (0%)
- Magenta (51%)
- Yellow (17%)
- Black (23%)



- Cyan (23%)
- Magenta (62%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6505, 22.9295, 37.3026 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 33.6505, 22.9295, 37.3026 by changing the saturation by 10% instead.

 33.6505, 22.9295,
37.3026


 33.6505, 22.9295,
37.3026

310.1842,
267.3627, 349.8268

 22.7868, 14.5415,
25.1442


 64.7377, 48.2775,
72.2295


 14.5560, 8.4982,
15.9646


 85.6920, 66.0063,
95.8350

 8.5927, 4.4154,
9.3450


 110.7405, 87.6175,
124.0935

 4.5314, 1.9085,
4.8670

 140.2486,
113.4954, 157.4232

 2.0070, 0.5535,
2.1121

174.5817,
144.0245, 196.2429

 0.6379, 0.0000,
0.6229

214.1051,

 0.0000, 0.0000,

179.5892, 240.9711

0.0000

259.1841,
220.5737, 292.0262

■ 33.6505, 22.9295,
37.3026

■ 33.6505, 22.9295,
37.3026

■ 31.4878, 19.5167,
33.7677

■ 36.2922, 27.2514,
41.1469

■ 29.7680, 16.9422,
30.5272

■ 39.4414, 32.5394,
45.3115

■ 28.4531, 15.1305,
27.5664

■ 43.1268, 38.8499,
49.8084

■ 27.4971, 13.9906,
24.8677

■ 47.3742, 46.2339,
54.6483

■ 26.8391, 13.3654,
22.5187

■ 52.2076, 54.7391,
59.8413

■ 57.6500, 64.4101,
65.3969

■ 63.7225, 75.2891,
71.3243

■ 70.4458, 87.4165,
77.6322

■ 71.6836, 88.5192,
82.2771

Harmonies

Analogous

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



29.5081, 22.9295, 57.2640



33.6505, 22.9295, 37.3026



34.3336, 22.9295, 20.0344

Triad

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



33.6505, 22.9295, 37.3026



19.9958, 22.9295, 5.1551



14.4746, 22.9295, 50.6264

Complementary

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



33.6505, 22.9295, 37.3026



28.7000, 43.6337, 28.0305

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.



12.7529, 22.9295, 30.6477



33.6505, 22.9295, 37.3026



15.5568, 22.9295, 7.8922

Square

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



33.6505, 22.9295, 37.3026



25.7579, 22.9295, 5.6802



13.1116, 22.9295, 15.7025



18.2588, 22.9295, 66.9811

Rectangle

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



33.6505, 22.9295, 37.3026



32.6326, 22.9295, 12.4815



13.1116, 22.9295, 15.7025



13.6678, 22.9295, 43.8287

Sweetspot

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



33.6512, 22.9306, 37.3031



82.0530, 77.1827, 94.7740



23.4456, 17.2821, 54.3250



17.2140, 15.9147, 19.8861



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.



33.6512, 22.9306, 37.3031



56.5417, 34.5880, 60.2882



30.0494, 21.4899, 18.3363



10.3499, 10.1886, 11.9333



17.2865, 8.6043, 14.6865



0.7778, 0.3841, 0.7972

Inverse Universe

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



33.6512, 22.9306, 37.3031



56.5417, 34.5880, 60.2882



32.8579, 45.2968, 49.9255



10.3499, 10.1886, 11.9333



17.2865, 8.6043, 14.6865



0.7778, 0.3841, 0.7972

Previews

White Background



This preview shows how the XYZ color 33.6505, 22.9295, 37.3026 looks on a white background.

Color Contrast Check

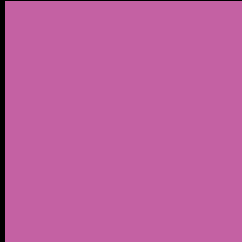
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6505, 22.9295, 37.3026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

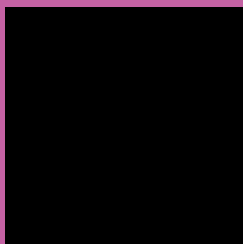
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6505, 22.9295, 37.3026

Background



This preview shows how black text looks on a background with the XYZ color 33.6505, 22.9295, 37.3026.



This preview shows how white text looks on a background with the XYZ color 33.6505, 22.9295,

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

33.6505, 22.9295, 37.3026

Protanopia

23.8917, 23.1305, 50.2191

Deuteranopia

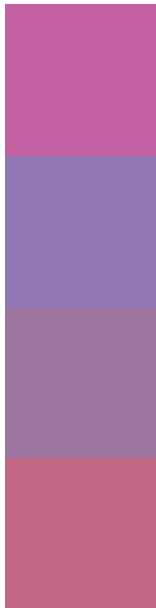
23.5375, 23.0747, 35.5610



Tritanopia

29.8381, 22.8296, 19.0536

Trichromacy



Original Color

33.6505, 22.9295, 37.3026

Protanomaly

26.0159, 22.1005, 45.0141

Deuteranomaly

26.2240, 22.2292, 36.1662

Tritanomaly

31.0074, 22.7039, 24.5778

Monochromacy



Original Color

33.6505, 22.9295, 37.3026

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.8528, 22.8872, 29.8431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6505, 22.9295, 37.3026 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(196, 97, 163)` looks like.

```
.text, #text, p{  
    color:rgb(196, 97, 163)  
}
```

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(196, 97, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 97, 163) }
```

Border

The CSS property to change the border of an element to XYZ 33.6505, 22.9295, 37.3026 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(196, 97, 163) }
```


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

```
.border{ border-color:rgb(196, 97, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 97, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 97, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 97, 163);  
box-shadow:4px 4px 4px 4px rgb(196, 97,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6505, 22.9295, 37.3026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 97, 163) }
```

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

```
.background{ background-color: rgb(196, 97,  
163) }
```

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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