

Converting Colors

XYZ(33.6501, 22.9907, 34.5634)

Have a look what the booklet for
XYZ(33.6501, 22.9907, 34.5634)
contains.

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Color

**XYZ(33.6492, 22.9895,
34.5622)**

Conversions

Conversions Part 1

Format	Color
Hex	C6619D
RGB	198, 97, 157
RGB Percent	78%, 38%, 62%
CMY	0.2235, 0.6196, 0.3843
CMYK	0.00, 0.51, 0.21, 0.22
HSL	324°, 47%, 58%
HSV	324°, 51%, 78%
XYZ	33.6492, 22.9895, 34.5622
YIQ	134.0390, 40.9360, 40.0720

Conversions

Conversions Part 2

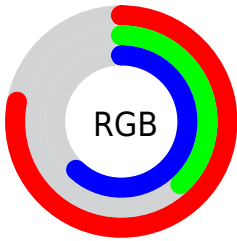
Format	Color
R_{YB}	198, 97, 157
Decimal	13001117
CIE _{Lab}	55.06, 47.41, -13.91
CIE _{LCh}	55, 49.410, 343.649
Yxy	22.9895, 0.3690, 0.2521
Android (android.graphics.Color)	4291191197 (0xFFC6619D)
YUV	134.0390, 11.3198, 56.0938
Hunter-Lab	47.9474, 41.3624, -9.1752

Details

The XYZ color **33.6492, 22.9895, 34.5622** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **29.7124, 44.7652, 31.1214**, and the grayscale version is **22.6243, 23.8025, 25.9209**.

A 20% lighter version of the original color is **64.1903, 48.1467, 68.1974**, and **14.6575, 8.5928, 14.5217** is the 20% darker color. If you saturate the color by 10%, you get **31.3789, 19.5111, 30.5303**, and if you desaturate by 10%, it is **36.4225, 27.4012, 38.9850**.

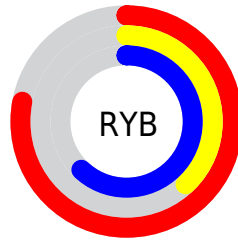
Distribution



Red (78%)

Green (38%)

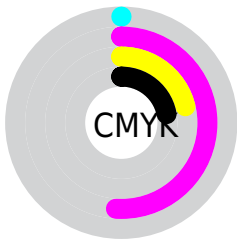
Blue (62%)



Red (78%)

Yellow (38%)

Blue (62%)

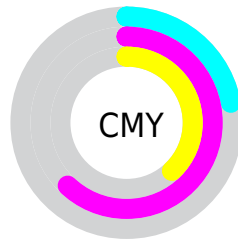


Cyan (0%)

Magenta (51%)

Yellow (21%)

Black (22%)



Cyan (22%)


Magenta (62%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6492, 22.9895, 34.5622 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 33.6492, 22.9895, 34.5622 by changing the saturation by 10% instead.


 33.6492, 22.9895,
34.5622


 33.6492, 22.9895,
34.5622


310.1785,
267.6711, 337.4770


 22.7858, 14.5858,
23.0450


 64.7357, 48.3761,
67.9508


 14.5553, 8.5292,
14.4211


 85.6895, 66.1277,
90.6594

 8.5921, 4.4354,
8.2720


 110.7376, 87.7641,
117.9354

 4.5311, 1.9200,
4.1793

 140.2452,
113.6696, 150.1974

 2.0068, 0.5603,
1.7242

174.5778,
144.2287, 187.8641

 0.6378, 0.0000,
0.3772

214.1006,

 0.0000, 0.0000,

179.8257, 231.3539

0.0000

259.1791,
220.8450, 281.0853

■ 33.6492, 22.9895,
34.5622

■ 33.6492, 22.9895,
34.5622

■ 31.3789, 19.5111,
30.5303

■ 36.4225, 27.4012,
38.9850

■ 29.5742, 16.8932,
26.8719

■ 39.7288, 32.8054,
43.8122

■ 28.1952, 15.0573,
23.5695

■ 43.5978, 39.2601,
49.0579

■ 27.1940, 13.9090,
20.6027

■ 48.0565, 46.8181,
54.7350

■ 26.5363, 13.3048,
18.1909

■ 53.1300, 55.5283,
60.8558

■ 58.8421, 65.4370,
67.4318

■ 65.2151, 76.5878,
74.4742

■ 72.1406, 88.7625,
81.9504

■ 73.2396, 89.2021,
87.7376

Harmonies

Analogous

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



29.9925, 22.9895, 53.9616



33.6492, 22.9895, 34.5622



33.8216, 22.9895, 18.5440

Triad

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



33.6492, 22.9895, 34.5622



19.4494, 22.9895, 5.6290



15.0577, 22.9895, 52.2935

Complementary

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



33.6492, 22.9895, 34.5622



29.7124, 44.7652, 31.1214

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.



13.1016, 22.9895, 32.8793



33.6492, 22.9895, 34.5622



15.3345, 22.9895, 8.8908

Square

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



33.6492, 22.9895, 34.5622



24.9651, 22.9895, 5.7668



13.1936, 22.9895, 17.4371



19.0070, 22.9895, 66.7868

Rectangle

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



33.6492, 22.9895, 34.5622



31.8885, 22.9895, 11.7216



13.1936, 22.9895, 17.4371



14.1773, 22.9895, 45.8412

Sweetspot

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



33.6499, 22.9906, 34.5626



81.6383, 77.0169, 92.5904



24.8511, 17.9802, 55.5871



17.1138, 15.8746, 19.3588



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.



33.6499, 22.9906, 34.5626



55.2427, 34.0684, 53.4480



30.2234, 21.6200, 16.5191



10.8938, 10.7409, 12.4241



17.3005, 8.6697, 12.0580



0.8544, 0.4246, 0.7565

Inverse Universe

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



33.6499, 22.9906, 34.5626



55.2427, 34.0684, 53.4480



34.1910, 46.5566, 54.7053



10.8938, 10.7409, 12.4241



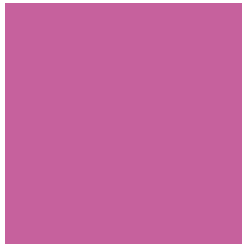
17.3005, 8.6697, 12.0580



0.8544, 0.4246, 0.7565

Previews

White Background



This preview shows how the XYZ color 33.6492, 22.9895, 34.5622 looks on a white background.

Color Contrast Check

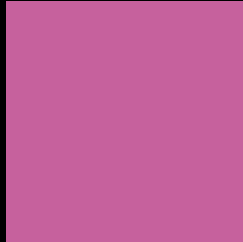
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6492, 22.9895, 34.5622 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 33.6492, 22.9895, 34.5622

Background



This preview shows how black text looks on a background with the XYZ color 33.6492, 22.9895, 34.5622.



This preview shows how white text looks on a background with the XYZ color 33.6492, 22.9895,

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

33.6492, 22.9895, 34.5622

Protanopia

23.9280, 23.4203, 46.9755

Deuteranopia

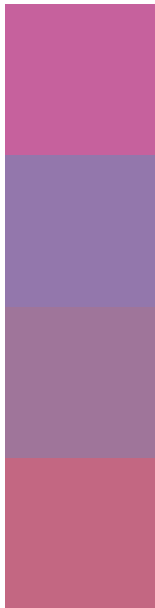
23.6711, 23.2018, 32.9365



Tritanopia

30.4394, 22.9923, 18.7532

Trichromacy



Original Color

33.6492, 22.9895, 34.5622

Protanomaly

26.0758, 22.3753, 41.9742

Deuteranomaly

26.4921, 22.4266, 33.5043

Tritanomaly

31.3852, 22.9143, 23.8878

Monochromacy



Original Color

33.6492, 22.9895, 34.5622

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.6245, 22.7958, 28.6407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6492, 22.9895, 34.5622 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(198, 97, 157)` looks like.

```
.text, #text, p{  
  color:rgb(198, 97, 157)  
}
```

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(198, 97, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 97, 157) }
```

Border

The CSS property to change the border of an element to XYZ 33.6492, 22.9895, 34.5622 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(198, 97, 157) }
```


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

```
.border{ border-color:rgb(198, 97, 157) }
```

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

Here you see how a box with a 4 pixel rgb(198, 97, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 97, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 97, 157);  
box-shadow:4px 4px 4px 4px rgb(198, 97,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6492, 22.9895, 34.5622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 97, 157) }
```

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

```
.background{ background-color: rgb(198, 97,  
157) }
```

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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