

Converting Colors

XYZ(34.6508, 20.8905, 56.0337)

Have a look what the booklet for
XYZ(34.6508, 20.8905, 56.0337)
contains.

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Color

**XYZ(34.6633, 20.9372,
56.2472)**

Conversions

Conversions Part 1

Format	Color
Hex	BF50C7
RGB	191, 80, 199
RGB Percent	75%, 31%, 78%
CMY	0.2510, 0.6863, 0.2196
CMYK	0.04, 0.60, 0.00, 0.22
HSL	296°, 52%, 55%
HSV	296°, 60%, 78%
XYZ	34.6633, 20.9372, 56.2472
YIQ	126.7550, 27.9570, 60.5410

Conversions

Conversions Part 2

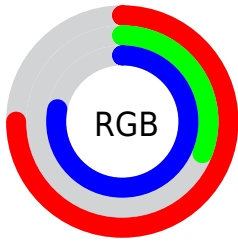
Format	Color
RYB	191, 80, 199
Decimal	12538055
CIELab	52.88, 60.33, -41.72
CIElCh	53, 73.348, 325.337
Yxy	20.9372, 0.3099, 0.1872
Android (android.graphics.Color)	4290728135 (0xFFBF50C7)
YUV	126.7550, 35.6168, 56.3429
Hunter-Lab	45.7572, 55.1474, -40.8524

Details

The XYZ color **34.6633, 20.9372, 56.2472** 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 **25.8966, 43.5013, 14.6221**, and the grayscale version is **19.9649, 21.0046, 22.8740**.

A 20% lighter version of the original color is **66.1383, 44.8719, 99.7830**, and **15.0508, 7.4525, 27.0308** is the 20% darker color. If you saturate the color by 10%, you get **33.0815, 18.2701, 55.8161**, and if you desaturate by 10%, it is **36.6811, 24.4705, 56.8231**.

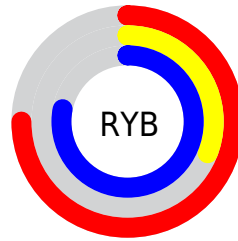
Distribution



Red (75%)

Green (31%)

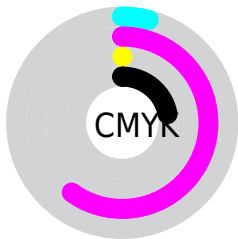
Blue (78%)



Red (75%)

Yellow (31%)

Blue (78%)

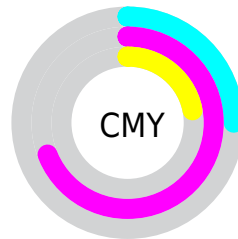


Cyan (4%)

Magenta (60%)

Yellow (0%)

Black (22%)



Cyan (25%)


Magenta (69%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6633, 20.9372, 56.2472 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 34.6633, 20.9372, 56.2472 by changing the saturation by 10% instead.


 34.6633, 20.9372,
56.2472


 34.6633, 20.9372,
56.2472


314.6138,
256.9446, 428.0369

 23.5689, 13.0781,
39.9958


 66.3013, 44.9830,
100.8553


 15.1372, 7.4824,
27.2215


 87.5756, 61.9385,
130.0491

 9.0026, 3.7655,
17.5058


 112.9740, 82.6949,
164.3942

 4.8000, 1.5433,
10.4300

 142.8618,
107.6366, 204.3090

 2.1640, 0.3189,
5.5757

 177.6043,
137.1481, 250.2122

 0.7236, 0.0000,
2.5242

217.5669,

 0.0000, 0.0000,

171.6136, 302.5222

0.8530

263.1149,
211.4176, 361.6576

■ 0.0000, 0.0000,
0.0000

■ 34.6633, 20.9372,
56.2472

■ 34.6633, 20.9372,
56.2472

■ 33.0815, 18.2701,
55.8161

■ 36.6811, 24.4705,
56.8231

■ 31.8940, 16.3878,
55.5153

■ 39.1672, 28.9363,
57.5541

■ 31.0550, 15.1980,
55.3299

■ 42.1534, 34.3977,
58.4509

■ 30.4781, 14.5277,
55.2309

■ 45.6680, 40.9115,
59.5229

■ 30.4671, 14.5155,
55.2292

■ 49.7375, 48.5303,
60.7790

■ 54.3862, 57.3030,
62.2273

■ 59.6373, 67.2758,
63.8755

■ 65.5124, 78.4921,
65.7308

■ 70.7086, 88.3458,
67.3589

Harmonies

Analogous

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



26.9027, 20.9372, 86.2486



34.6633, 20.9372, 56.2472



38.5168, 20.9372, 26.4059

Triad

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



34.6633, 20.9372, 56.2472



21.1233, 20.9372, 1.2952



9.3250, 20.9372, 46.0719

Complementary

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



34.6633, 20.9372, 56.2472



25.8966, 43.5013, 14.6221

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.



8.5227, 20.9372, 19.5329



34.6633, 20.9372, 56.2472



14.2322, 20.9372, 1.9658

Square

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



34.6633, 20.9372, 56.2472



29.5223, 20.9372, 2.7150



10.0671, 20.9372, 6.2241



12.6353, 20.9372, 78.1775

Rectangle

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



34.6633, 20.9372, 56.2472



37.7816, 20.9372, 13.3504



10.0671, 20.9372, 6.2241



8.7963, 20.9372, 35.8940

Sweetspot

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



34.6641, 20.9381, 56.2476



80.9889, 73.5495, 104.5356



17.2671, 13.1283, 55.6571



16.9155, 14.9609, 22.2462



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.



34.6641, 20.9381, 56.2476



57.1729, 30.7714, 97.5339



31.8807, 20.0636, 30.8019



11.0100, 10.7789, 13.4177



19.6206, 9.3491, 35.5148



0.9507, 0.4539, 1.6826

Inverse Universe

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



28.1840, 18.5849, 11.3352



45.1089, 26.4536, 11.0632



27.7338, 44.1534, 28.0346



10.6623, 10.6483, 11.2050



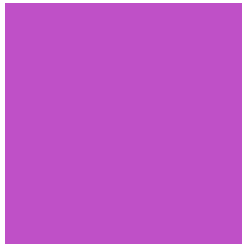
15.2055, 7.8318, 1.0260



0.7303, 0.3750, 0.1028

Previews

White Background



This preview shows how the XYZ color 34.6633, 20.9372, 56.2472 looks on a white background.

Color Contrast Check

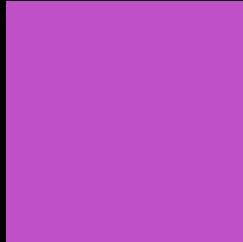
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.6633, 20.9372, 56.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

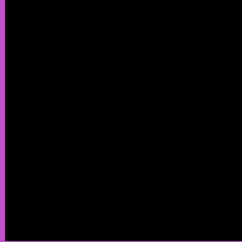
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.6633, 20.9372, 56.2472

Background



This preview shows how black text looks on a background with the XYZ color 34.6633, 20.9372, 56.2472.



This preview shows how white text looks on a background with the XYZ color 34.6633, 20.9372,

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

34.6633, 20.9372, 56.2472

Protanopia

24.7773, 21.4879, 84.5030

Deuteranopia

21.6887, 21.1701, 52.2333



Tritanopia

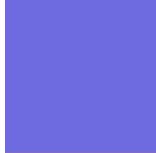
26.6973, 20.7738, 17.9319

Trichromacy



Original Color

34.6633, 20.9372, 56.2472



Protanomaly

25.1426, 19.2122, 72.9042



Deuteranomaly

24.5663, 19.6576, 53.5384



Tritanomaly

28.8934, 20.3884, 28.7981

Monochromacy



Original Color

34.6633, 20.9372, 56.2472



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

23.9034, 19.9358, 32.7251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6633, 20.9372, 56.2472 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(191, 80, 199)` looks like.

```
.text, #text, p{  
    color:rgb(191, 80, 199)  
}
```

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(191, 80, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 80, 199) }
```

Border

The CSS property to change the border of an element to XYZ 34.6633, 20.9372, 56.2472 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(191, 80, 199) }
```


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

```
.border{ border-color:rgb(191, 80, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 80, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 80, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 80, 199);  
box-shadow:4px 4px 4px 4px rgb(191, 80,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6633, 20.9372, 56.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 80, 199) }
```

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

```
.background{ background-color: rgb(191, 80,  
199) }
```

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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