

Converting Colors

XYZ(34.7292, 20.8259, 59.5133)

Have a look what the booklet for
XYZ(34.7292, 20.8259, 59.5133)
contains.

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Color

**XYZ(34.6813, 20.7704,
59.3079)**

Conversions

Conversions Part 1

Format	Color
Hex	BD4FCC
RGB	189, 79, 204
RGB Percent	74%, 31%, 80%
CMY	0.2588, 0.6902, 0.2000
CMYK	0.07, 0.61, 0.00, 0.20
HSL	293°, 55%, 55%
HSV	293°, 61%, 80%
XYZ	34.6813, 20.7704, 59.3079
YIQ	126.1400, 25.4350, 62.1950

Conversions

Conversions Part 2

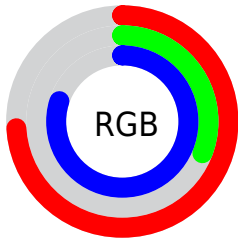
Format	Color
RYB	189, 79, 204
Decimal	12406732
CIELab	52.70, 61.18, -44.89
CIELCh	53, 75.885, 323.731
Yxy	20.7704, 0.3022, 0.1810
Android (android.graphics.Color)	4290596812 (0xFFBD4FCC)
YUV	126.1400, 38.3850, 55.1282
Hunter-Lab	45.5746, 56.0794, -45.2541

Details

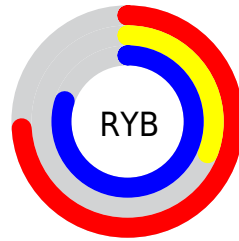
The XYZ color **34.6813, 20.7704, 59.3079** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **27.6209, 46.1304, 14.8463**, and the grayscale version is **19.7472, 20.7756, 22.6246**.

A 20% lighter version of the original color is **65.2865, 44.2267, 99.7034**, and **15.0845, 7.3633, 29.0600** is the 20% darker color. If you saturate the color by 10%, you get **32.8273, 17.9557, 58.8626**, and if you desaturate by 10%, it is **36.9985, 24.4949, 59.9050**.

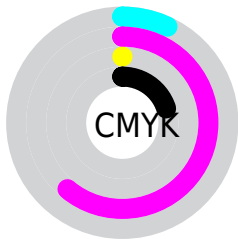
Distribution



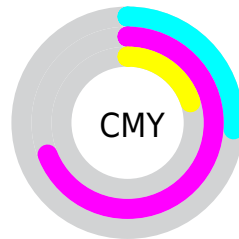
- Red (74%)
- Green (31%)
- Blue (80%)



- Red (74%)
- Yellow (31%)
- Blue (80%)



- Cyan (7%)
- Magenta (61%)
- Yellow (0%)
- Black (20%)




- Cyan (26%)
- Magenta (69%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6813, 20.7704, 59.3079 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 34.6813, 20.7704, 59.3079 by changing the saturation by 10% instead.


 34.6813, 20.7704,
59.3079


 34.6813, 20.7704,
59.3079


314.6921,
256.0558, 439.7756


 23.5828, 12.9563,
42.4394


 66.3290, 44.7051,
105.3586


 15.1475, 7.3984,
29.1174

 87.6090, 61.5945,
135.3778


 9.0100, 3.7125,
18.9233


 113.0136, 82.2777,
170.6176

 4.8049, 1.5141,
11.4386

 142.9080,
107.1392, 211.4967

 2.1668, 0.2986,
6.2448

 177.6578,
136.5634, 258.4335

 0.7251, 0.0000,
2.9233

217.6281,

 0.0000, 0.0000,

170.9346, 311.8465

1.0556

263.1844,
210.6373, 372.1544

■ 0.0000, 0.0000,
0.0000

■ 34.6813, 20.7704,
59.3079

■ 34.6813, 20.7704,
59.3079

■ 32.8273, 17.9557,
58.8626

■ 36.9985, 24.4949,
59.9050

■ 31.3913, 15.9624,
58.5536

■ 39.8139, 29.2014,
60.6650

■ 30.3230, 14.6894,
58.3642

■ 43.1620, 34.9578,
61.5997

■ 29.6103, 14.0056,
58.2697

■ 47.0734, 41.8253,
62.7191

■ 51.5763, 49.8603,
64.0327

■ 56.6970, 59.1155,
65.5492

■ 62.4603, 69.6401,
67.2769

■ 68.8895, 81.4809,
69.2235

■ 73.5325, 89.7334,
70.5717

Harmonies

Analogous

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



26.5015, 20.7704, 90.3100



34.6813, 20.7704, 59.3079



38.9984, 20.7704, 27.7019

Triad

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



34.6813, 20.7704, 59.3079



21.4458, 20.7704, 1.0830



8.8520, 20.7704, 45.0070

Complementary

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



34.6813, 20.7704, 59.3079



27.6209, 46.1304, 14.8463

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.



8.1715, 20.7704, 18.1931



34.6813, 20.7704, 59.3079



14.2418, 20.7704, 1.5988

Square

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



34.6813, 20.7704, 59.3079



30.1506, 20.7704, 2.5554



9.8588, 20.7704, 5.4156



12.0552, 20.7704, 78.8817

Rectangle

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



34.6813, 20.7704, 59.3079



38.4608, 20.7704, 13.7873



9.8588, 20.7704, 5.4156



8.3635, 20.7704, 34.5817

Sweetspot

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



34.6821, 20.7713, 59.3083



80.1176, 73.1003, 104.4949



18.2769, 14.3279, 58.9293



16.6996, 14.8497, 22.2361



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.



34.6821, 20.7713, 59.3083



53.4105, 28.3672, 97.2681



33.8844, 20.9045, 34.6730



11.5499, 11.3328, 14.1491



18.6893, 8.8422, 36.6780



1.0024, 0.4759, 1.8940

Inverse Universe

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



29.7188, 19.2383, 12.7375



45.0066, 25.9119, 12.0681



28.5090, 46.3249, 26.7863



11.2662, 11.2352, 11.9363



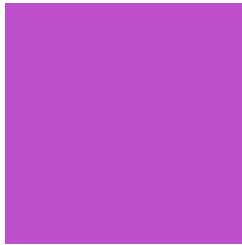
15.7988, 8.1301, 1.3932



0.8337, 0.4269, 0.1703

Previews

White Background



This preview shows how the XYZ color 34.6813, 20.7704, 59.3079 looks on a white background.

Color Contrast Check

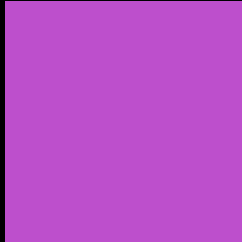
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.6813, 20.7704, 59.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

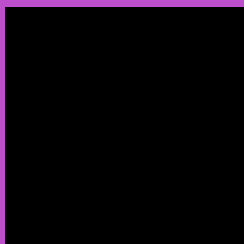
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.6813, 20.7704, 59.3079

Background



This preview shows how black text looks on a background with the XYZ color 34.6813, 20.7704, 59.3079.



This preview shows how white text looks on a background with the XYZ color 34.6813, 20.7704,

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

34.6813, 20.7704, 59.3079

Protanopia

24.9092, 21.2685, 89.1786

Deuteranopia

21.6411, 21.0809, 55.1530



Tritanopia

26.1637, 20.6425, 18.2282

Trichromacy



Original Color

34.6813, 20.7704, 59.3079



Protanomaly

24.9165, 18.8460, 77.1873



Deuteranomaly

24.3816, 19.4964, 56.5110



Tritanomaly

28.4272, 20.2648, 29.6074

Monochromacy



Original Color

34.6813, 20.7704, 59.3079



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

23.6958, 19.6599, 33.1177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6813, 20.7704, 59.3079 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(189, 79, 204)` looks like.

```
.text, #text, p{  
    color:rgb(189, 79, 204)  
}
```

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(189, 79, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 79, 204) }
```

Border

The CSS property to change the border of an element to XYZ 34.6813, 20.7704, 59.3079 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(189, 79, 204) }
```


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

```
.border{ border-color:rgb(189, 79, 204) }
```

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

Here you see how a box with a 4 pixel rgb(189, 79, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 79, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 79, 204);  
box-shadow:4px 4px 4px 4px rgb(189, 79,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6813, 20.7704, 59.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 79, 204) }
```

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

```
.background{ background-color: rgb(189, 79,  
204) }
```

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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