

Converting Colors

XYZ(34.3893, 22.3490, 65.8198)

Have a look what the booklet for
XYZ(34.3893, 22.3490, 65.8198)
contains.

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Color

**XYZ(34.5899, 22.5044,
66.1390)**

Conversions

Conversions Part 1

Format	Color
Hex	B25FD6
RGB	178, 95, 214
RGB Percent	70%, 37%, 84%
CMY	0.3020, 0.6274, 0.1608
CMYK	0.17, 0.56, 0.00, 0.16
HSL	282°, 59%, 61%
HSV	282°, 56%, 84%
XYZ	34.5899, 22.5044, 66.1390
YIQ	133.3830, 11.2690, 54.6050

Conversions

Conversions Part 2

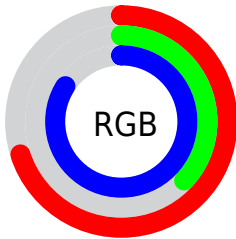
Format	Color
RYB	178, 95, 214
Decimal	11689942
CIELab	54.56, 52.85, -47.73
CIELCh	55, 71.210, 317.914
Yxy	22.5044, 0.2807, 0.1826
Android (android.graphics.Color)	4289880022 (0xFFB25FD6)
YUV	133.3830, 39.7442, 39.1291
Hunter-Lab	47.4388, 47.1350, -49.4547

Details

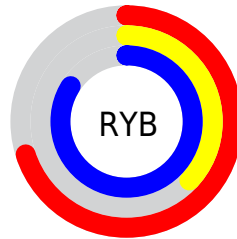
The XYZ color **34.5899, 22.5044, 66.1390** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **35.4727, 53.7451, 19.3315**, and the grayscale version is **22.2914, 23.4523, 25.5395**.

A 20% lighter version of the original color is **63.3895, 46.5478, 100.2514**, and **15.1120, 8.2967, 33.6058** is the 20% darker color. If you saturate the color by 10%, you get **31.4700, 18.4172, 65.5149**, and if you desaturate by 10%, it is **38.3111, 27.6883, 66.9438**.

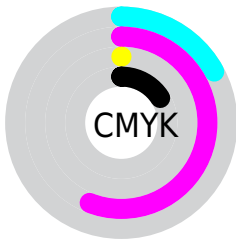
Distribution



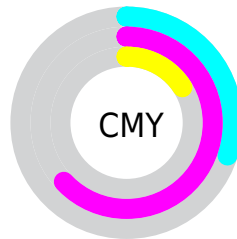
- Red (70%)
- Green (37%)
- Blue (84%)



- Red (70%)
- Yellow (37%)
- Blue (84%)



- Cyan (17%)
- Magenta (56%)
- Yellow (0%)
- Black (16%)





- Cyan (30%)
- Magenta (63%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5899, 22.5044, 66.1390 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 34.5899, 22.5044, 66.1390 by changing the saturation by 10% instead.

 34.5899, 22.5044,
66.1390

 34.5899, 22.5044,
66.1390


314.2943,
265.1692, 465.2916


 23.5122, 14.2280,
47.9281


 66.1882, 47.5783,
115.3147


 15.0949, 8.2794,
33.4103


 87.4395, 65.1445,
147.1166

 8.9728, 4.2743,
22.1673


 112.8126, 86.5761,
184.2858

 4.7804, 1.8281,
13.7804

 142.6730,
112.2576, 227.2410

 2.1524, 0.5046,
7.8311

177.3860,
142.5732, 276.4006

 0.7175, 0.0000,
3.9008

217.3170,

 0.0000, 0.0000,

177.9074, 332.1832

1.5711

262.8313,
218.6446, 395.0074

■ 0.0000, 0.0000,
0.2701

■ 0.0000, 0.0000,
0.0000

■ 34.5899, 22.5044,
66.1390

■ 34.5899, 22.5044,
66.1390

■ 31.4700, 18.4172,
65.5149

■ 38.3111, 27.6883,
66.9438

■ 28.9032, 15.3344,
65.0551

■ 42.6712, 34.0455,
67.9411

■ 26.8376, 13.1529,
64.7429

■ 47.7079, 41.6490,
69.1433

■ 25.2087, 11.7449,
64.5570

■ 53.4548, 50.5647,
70.5613

■ 24.5800, 11.2693,
64.4984

■ 59.9432, 60.8540,
72.2053

■ 67.2026, 72.5743,
74.0850

■ 75.2605, 85.7798,
76.2092

■ 80.4643, 93.1638,
77.3602

■ 82.5783, 94.2536,
77.4591

Harmonies

Analogous

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



26.3519, 22.5044, 92.4856



34.5899, 22.5044, 66.1390



39.7018, 22.5044, 34.6627

Triad

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



34.5899, 22.5044, 66.1390



24.6925, 22.5044, 1.9160



10.0420, 22.5044, 40.2646

Complementary

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



34.5899, 22.5044, 66.1390



35.4727, 53.7451, 19.3315

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.



9.8051, 22.5044, 16.5528



34.5899, 22.5044, 66.1390



17.0932, 22.5044, 2.1306

Square

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



34.5899, 22.5044, 66.1390



33.1231, 22.5044, 4.4333



12.0647, 22.5044, 5.4982



12.8171, 22.5044, 72.3185

Rectangle

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



34.5899, 22.5044, 66.1390



39.9894, 22.5044, 19.0437



12.0647, 22.5044, 5.4982



9.6926, 22.5044, 30.9181

Sweetspot

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



34.5908, 22.5053, 66.1395



78.0849, 72.9892, 104.5806



25.2019, 23.9773, 66.9185



16.3309, 15.0259, 22.2895



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.



34.5908, 22.5053, 66.1395



45.9466, 26.3248, 97.2673



41.3591, 26.2952, 52.8720



12.5703, 12.4354, 15.6753



14.9669, 6.8682, 38.9900



0.9848, 0.4566, 2.3555

Inverse Universe

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



35.9211, 24.1200, 24.2357



48.8542, 29.3968, 26.3302



31.9666, 51.8066, 25.0889



12.5764, 12.4820, 13.7093



17.3747, 8.8862, 4.0111



1.0844, 0.5505, 0.4337

Previews

White Background



This preview shows how the XYZ color 34.5899, 22.5044, 66.1390 looks on a white background.

Color Contrast Check

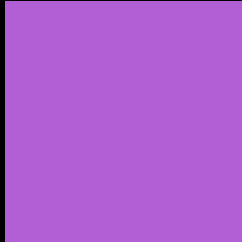
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5899, 22.5044, 66.1390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

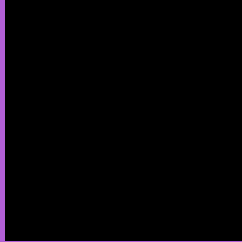
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.5899, 22.5044, 66.1390

Background



This preview shows how black text looks on a background with the XYZ color 34.5899, 22.5044, 66.1390.



This preview shows how white text looks on a background with the XYZ color 34.5899, 22.5044,

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

34.5899, 22.5044, 66.1390

Protanopia

26.4547, 23.0003, 89.4314

Deuteranopia

23.4033, 22.8123, 62.2012



Tritanopia

25.8262, 22.4885, 23.0582

Trichromacy



Original Color

34.5899, 22.5044, 66.1390



Protanomaly

27.1664, 21.3901, 80.5388



Deuteranomaly

25.9964, 21.6750, 63.7863



Tritanomaly

28.4115, 22.2011, 35.5887

Monochromacy



Original Color

34.5899, 22.5044, 66.1390



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

25.5128, 22.1918, 37.1212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5899, 22.5044, 66.1390 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(178, 95, 214)` looks like.

```
.text, #text, p{  
    color:rgb(178, 95, 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(178, 95, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 95, 214) }
```

Border

The CSS property to change the border of an element to XYZ 34.5899, 22.5044, 66.1390 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(178, 95, 214) }
```


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

```
.border{ border-color:rgb(178, 95, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 95, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 95, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 95, 214);  
box-shadow:4px 4px 4px 4px rgb(178, 95,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5899, 22.5044, 66.1390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 95, 214) }
```

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

```
.background{ background-color: rgb(178, 95,  
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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