

Converting Colors

XYZ(36.9242, 26.7055, 44.4955)

Have a look what the booklet for
XYZ(36.9242, 26.7055, 44.4955)
contains.

XYZ(36.9193, 26.7287, 44.2876)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.9193, 26.7287,
44.2876)**

Conversions

Conversions Part 1

Format	Color
Hex	C670B0
RGB	198, 112, 176
RGB Percent	78%, 44%, 69%
CMY	0.2235, 0.5608, 0.3098
CMYK	0.00, 0.43, 0.11, 0.22
HSL	315°, 43%, 61%
HSV	315°, 43%, 78%
XYZ	36.9193, 26.7287, 44.2876
YIQ	145.0100, 30.7120, 38.1360

Conversions

Conversions Part 2

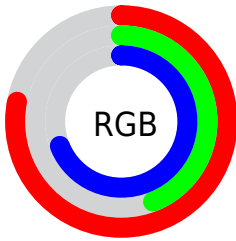
Format	Color
R_{YB}	198, 112, 176
Decimal	13004976
CIE _{Lab}	58.72, 42.74, -19.35
CIE _{LCh}	59, 46.916, 335.637
Yxy	26.7287, 0.3420, 0.2476
Android (android.graphics.Color)	4291195056 (0xFFC670B0)
YUV	145.0100, 15.2781, 46.4722
Hunter-Lab	51.6998, 36.9938, -14.5997

Details

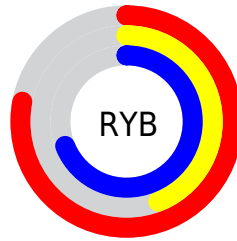
The XYZ color **36.9193, 26.7287, 44.2876** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **31.1804, 45.5549, 29.7057**, and the grayscale version is **26.8497, 28.2480, 30.7620**.

A 20% lighter version of the original color is **69.4417, 54.3586, 83.1762**, and **16.3463, 10.4126, 19.8872** is the 20% darker color. If you saturate the color by 10%, you get **34.4783, 22.6335, 41.0473**, and if you desaturate by 10%, it is **39.8610, 31.7945, 47.7877**.

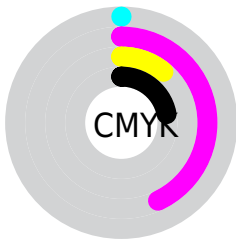
Distribution



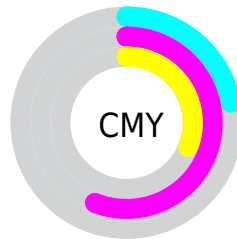
- Red (78%)
- Green (44%)
- Blue (69%)



- Red (78%)
- Yellow (44%)
- Blue (69%)



- Cyan (0%)
- Magenta (43%)
- Yellow (11%)
- Black (22%)





- Cyan (22%)
- Magenta (56%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9193, 26.7287, 44.2876 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 36.9193, 26.7287, 44.2876 by changing the saturation by 10% instead.

 36.9193, 26.7287,
44.2876


 36.9193, 26.7287,
44.2876


324.3226,
286.3411, 379.9563


 25.3184, 17.3696,
30.5578

 69.7633, 54.4482,
82.9574


 16.4444, 10.4983,
20.0067


 91.7371, 73.5774,
108.7345

 9.9320, 5.7306,
12.2158


 117.8992, 96.7320,
139.3645

 5.4158, 2.6820,
6.7665

 148.6151,
124.2965, 175.2659

 2.5305, 0.9680,
3.2403

184.2500,
156.6553, 216.8572

 0.9107, 0.0000,
1.2186

225.1693,

 0.0000, 0.0000,

194.1927, 264.5570

0.0000

271.7384,
237.2932, 318.7839

■ 36.9193, 26.7287,
44.2876

■ 36.9193, 26.7287,
44.2876

■ 34.4783, 22.6335,
41.0473

■ 39.8610, 31.7945,
47.7877

■ 32.5035, 19.4415,
38.0533

■ 43.3300, 37.8852,
51.5565

■ 30.9598, 17.0825,
35.2934

■ 47.3541, 45.0553,
55.6046

■ 29.8060, 15.4742,
32.7527

■ 51.9582, 53.3546,
59.9411

■ 28.9923, 14.5176,
30.4136

■ 57.1657, 62.8296,
64.5750

■ 28.5826, 14.1233,
28.9663

■ 62.9987, 73.5242,
69.5143

■ 69.4784, 85.4802,
74.7671

■ 71.5114, 88.5108,
78.6365

■ 72.1786, 88.7778,
82.1504

Harmonies

Analogous

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



32.4378, 26.7287, 63.3454



36.9193, 26.7287, 44.2876



38.1318, 26.7287, 26.0902

Triad

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



36.9193, 26.7287, 44.2876



24.3298, 26.7287, 7.5437



17.4082, 26.7287, 51.8368

Complementary

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



36.9193, 26.7287, 44.2876



31.1804, 45.5549, 29.7057

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.



15.8809, 26.7287, 32.3392



36.9193, 26.7287, 44.2876



19.4698, 26.7287, 10.1561

Square

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



36.9193, 26.7287, 44.2876



30.2651, 26.7287, 8.6853



16.5743, 26.7287, 17.8589



21.0949, 26.7287, 68.7369

Rectangle

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



36.9193, 26.7287, 44.2876



36.7856, 26.7287, 17.4001



16.5743, 26.7287, 17.8589



16.6529, 26.7287, 45.1410

Sweetspot

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



36.9201, 26.7299, 44.2881



84.0359, 80.1087, 98.6407



25.7405, 20.6944, 56.0642



17.6255, 16.4989, 20.7595



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.



36.9201, 26.7299, 44.2881



61.3102, 40.5021, 73.0470



33.3521, 25.3027, 25.4994



10.9627, 10.7685, 12.7870



18.6241, 9.1992, 19.0279



0.9100, 0.4468, 1.0491

Inverse Universe

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



36.9201, 26.7299, 44.2881



61.3102, 40.5021, 73.0470



34.7632, 46.9880, 48.5724



10.9627, 10.7685, 12.7870



18.6241, 9.1992, 19.0279



0.9100, 0.4468, 1.0491

Previews

White Background



This preview shows how the XYZ color 36.9193, 26.7287, 44.2876 looks on a white background.

Color Contrast Check

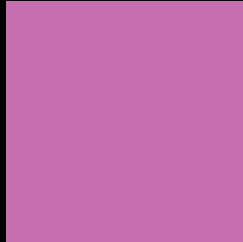
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.9193, 26.7287, 44.2876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

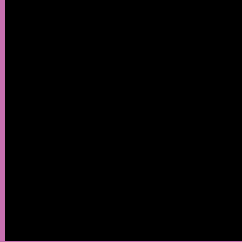
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.9193, 26.7287, 44.2876

Background



This preview shows how black text looks on a background with the XYZ color 36.9193, 26.7287, 44.2876.



This preview shows how white text looks on a background with the XYZ color 36.9193, 26.7287,

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

36.9193, 26.7287, 44.2876

Protanopia

27.7993, 27.1017, 55.9905

Deuteranopia

27.5678, 27.0682, 42.2998



Tritanopia

32.9264, 26.6509, 24.8815

Trichromacy



Original Color

36.9193, 26.7287, 44.2876

Protanomaly

30.1168, 26.3148, 51.6360

Deuteranomaly

30.2934, 26.3990, 43.0341

Tritanomaly

34.2506, 26.6656, 30.9455

Monochromacy



Original Color

36.9193, 26.7287, 44.2876

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.6981, 27.0679, 35.1119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9193, 26.7287, 44.2876 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, 112, 176)` looks like.

```
.text, #text, p{  
    color:rgb(198, 112, 176)  
}
```

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, 112, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 112, 176) }
```

Border

The CSS property to change the border of an element to XYZ 36.9193, 26.7287, 44.2876 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, 112, 176) }
```


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

```
.border{ border-color:rgb(198, 112, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 112, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 112, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 112, 176);  
box-shadow:4px 4px 4px 4px rgb(198, 112,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9193, 26.7287, 44.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 112, 176) }
```

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

```
.background{ background-color: rgb(198,  
112, 176) }
```

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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