

Converting Colors

XYZ(34.3270, 27.7573, 46.8950)

Have a look what the booklet for
XYZ(34.3270, 27.7573, 46.8950)
contains.

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Color

**XYZ(34.2895, 27.8007,
46.7388)**

Conversions

Conversions Part 1

Format	Color
Hex	B37EB4
RGB	179, 126, 180
RGB Percent	70%, 49%, 71%
CMY	0.2980, 0.5059, 0.2941
CMYK	0.01, 0.30, 0.00, 0.29
HSL	299°, 26%, 60%
HSV	299°, 30%, 71%
XYZ	34.2895, 27.8007, 46.7388
YIQ	148.0030, 14.2540, 28.0300

Conversions

Conversions Part 2

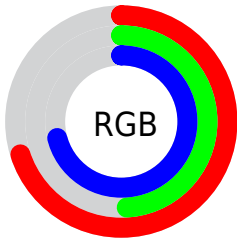
Format	Color
R_{YB}	179, 126, 180
Decimal	11763380
CIE _{Lab}	59.71, 29.61, -20.34
CIE _{LCh}	60, 35.924, 325.518
Yxy	27.8007, 0.3151, 0.2555
Android (android.graphics.Color)	4289953460 (0xFFB37EB4)
YUV	148.0030, 15.7745, 27.1844
Hunter-Lab	52.7264, 23.8126, -15.6486

Details

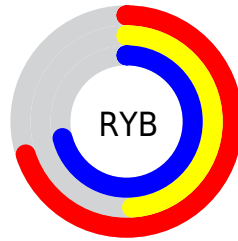
The XYZ color **34.2895, 27.8007, 46.7388** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.8404, 38.6615, 25.6824**, and the grayscale version is **28.0825, 29.5449, 32.1744**.

A 20% lighter version of the original color is **65.5214, 55.9585, 86.7046**, and **14.8727, 11.0612, 21.4298** is the 20% darker color. If you saturate the color by 10%, you get **32.1151, 23.5655, 46.0363**, and if you desaturate by 10%, it is **36.8800, 32.8667, 47.5805**.

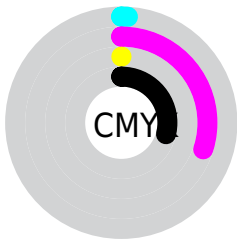
Distribution



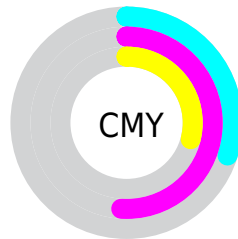
- Red (70%)
- Green (49%)
- Blue (71%)



- Red (70%)
- Yellow (49%)
- Blue (71%)



- Cyan (1%)
- Magenta (30%)
- Yellow (0%)
- Black (29%)





- Cyan (30%)
- Magenta (51%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2895, 27.8007, 46.7388 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 34.2895, 27.8007, 46.7388 by changing the saturation by 10% instead.


 34.2895, 27.8007,
46.7388


 34.2895, 27.8007,
46.7388


312.9842,
291.5134, 390.1345


 23.2800, 18.1755,
32.4763


 65.7249, 56.1661,
86.6695

 14.9222, 11.0760,
21.4578


 86.8816, 75.6751,
113.1748

 8.8508, 6.1180,
13.2645


 112.1513, 99.2474,
144.5982

 4.7003, 2.9170,
7.4781

141.8996,
127.2675, 181.3581

 2.1055, 1.0885,
3.6799

176.4916,
160.1197, 223.8732

 0.6922, 0.0000,
1.4514

216.2928,

 0.0000, 0.0000,

198.1885, 272.5619

0.1814

261.6686,
241.8583, 327.8428

■ 0.0000, 0.0000,
0.0000

■ 34.2895, 27.8007,
46.7388

■ 34.2895, 27.8007,
46.7388

■ 32.1151, 23.5655,
46.0363

■ 36.8800, 32.8667,
47.5805

■ 30.3319, 20.1130,
45.4639

■ 39.9044, 38.8009,
48.5665

■ 28.9165, 17.3957,
45.0140

■ 43.3830, 45.6429,
49.7038

■ 27.8418, 15.3598,
44.6777

■ 47.3336, 53.4289,
50.9984

■ 27.0773, 13.9439,
44.4447

■ 51.7733, 62.1928,
52.4561

■ 26.5867, 13.0755,
44.3029

■ 56.7185, 71.9672,
54.0821

■ 26.2946, 12.6037,
44.2273

■ 62.1844, 82.7830,
55.8816

■ 26.2945, 12.6037,
44.2273

■ 63.2110, 84.7198,
56.2014

■ 63.2896, 84.7603,
56.2051

Harmonies

Analogous

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



30.3641, 27.8007, 58.8900



34.2895, 27.8007, 46.7388



36.1133, 27.8007, 32.2658

Triad

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



34.2895, 27.8007, 46.7388



27.1116, 27.8007, 11.5654



19.3049, 27.8007, 42.3634

Complementary

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



34.2895, 27.8007, 46.7388



28.8404, 38.6615, 25.6824

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.



18.6437, 27.8007, 28.3587



34.2895, 27.8007, 46.7388



22.8399, 27.8007, 12.8539

Square

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



34.2895, 27.8007, 46.7388



31.6786, 27.8007, 13.9893



19.8634, 27.8007, 18.2110



21.7847, 27.8007, 55.8982

Rectangle

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



34.2895, 27.8007, 46.7388



35.7556, 27.8007, 24.0642



19.8634, 27.8007, 18.2110



18.8756, 27.8007, 37.4609

Sweetspot

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



34.2904, 27.8019, 46.7394



72.8548, 71.3363, 88.2240



24.5367, 23.1185, 46.3495



15.5633, 15.0583, 19.0085



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.2904, 27.8019, 46.7394



59.4833, 45.1636, 83.8769



32.1837, 26.9860, 34.4359



8.8342, 8.6386, 10.7081



18.3585, 8.7999, 30.8679



0.5825, 0.2794, 0.9715

Inverse Universe

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



30.1149, 26.1585, 23.5417



50.7019, 41.7102, 34.9587



30.5285, 39.3197, 35.3449



8.5025, 8.5077, 8.8787



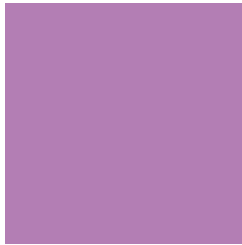
13.1524, 6.7785, 0.6965



0.4159, 0.2141, 0.0330

Previews

White Background



This preview shows how the XYZ color 34.2895, 27.8007, 46.7388 looks on a white background.

Color Contrast Check

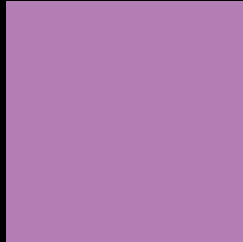
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.2895, 27.8007, 46.7388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

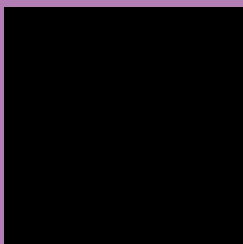
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.2895, 27.8007, 46.7388

Background



This preview shows how black text looks on a background with the XYZ color 34.2895, 27.8007, 46.7388.



This preview shows how white text looks on a background with the XYZ color 34.2895, 27.8007,

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

34.2895, 27.8007, 46.7388

Protanopia

28.3933, 27.8976, 53.7575

Deuteranopia

28.4452, 27.8868, 45.4784



Tritanopia

30.8010, 27.7569, 29.7208

Trichromacy



Original Color

34.2895, 27.8007, 46.7388

Protanomaly

30.0940, 27.5351, 51.3056

Deuteranomaly

30.3576, 27.7912, 45.8837

Tritanomaly

31.8879, 27.5957, 35.0983

Monochromacy



Original Color

34.2895, 27.8007, 46.7388

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.0213, 28.6652, 37.2083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2895, 27.8007, 46.7388 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(179, 126, 180)` looks like.

```
.text, #text, p{  
    color:rgb(179, 126, 180)  
}
```

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(179, 126, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 126, 180) }
```

Border

The CSS property to change the border of an element to XYZ 34.2895, 27.8007, 46.7388 is called "border". The border property can be set on classes, ids or directly on the HTML element.

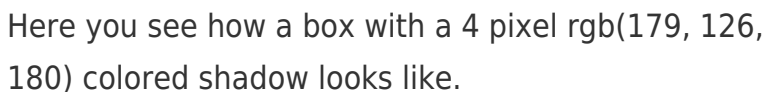
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 126, 180) }
```


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

```
.border{ border-color:rgb(179, 126, 180) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 126, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 126, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 126, 180);  
box-shadow:4px 4px 4px 4px rgb(179, 126,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2895, 27.8007, 46.7388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 126, 180) }
```

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

```
.background{ background-color: rgb(179,  
126, 180) }
```

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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