

Converting Colors

XYZ(33.9366, 25.5394, 43.7687)

Have a look what the booklet for
XYZ(33.9366, 25.5394, 43.7687)
contains.

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Color

**XYZ(34.0049, 25.5689,
43.7005)**

Conversions

Conversions Part 1

Format	Color
Hex	BA72AF
RGB	186, 114, 175
RGB Percent	73%, 45%, 69%
CMY	0.2706, 0.5529, 0.3137
CMYK	0.00, 0.39, 0.06, 0.27
HSL	309°, 34%, 59%
HSV	309°, 39%, 73%
XYZ	34.0049, 25.5689, 43.7005
YIQ	142.4820, 23.3310, 34.2350

Conversions

Conversions Part 2

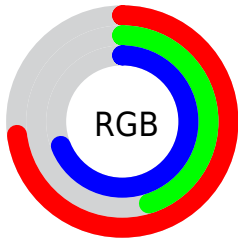
Format	Color
RYB	186, 114, 175
Decimal	12219055
CIELab	57.63, 37.60, -20.59
CIELCh	58, 42.868, 331.300
Yxy	25.5689, 0.3293, 0.2476
Android (android.graphics.Color)	4290409135 (0xFFBA72AF)
YUV	142.4820, 16.0314, 38.1653
Hunter-Lab	50.5657, 31.5494, -15.8443

Details

The XYZ color **34.0049, 25.5689, 43.7005** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.2011, 40.1768, 25.6722**, and the grayscale version is **25.8348, 27.1802, 29.5993**.

A 20% lighter version of the original color is **65.2047, 52.4616, 82.2908**, and **14.6504, 9.7854, 19.5290** is the 20% darker color. If you saturate the color by 10%, you get **31.8403, 21.6814, 41.6165**, and if you desaturate by 10%, it is **36.6035, 30.3143, 45.9587**.

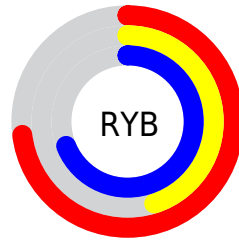
Distribution



Red (73%)

Green (45%)

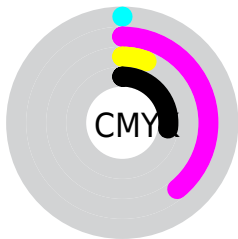
Blue (69%)



Red (73%)

Yellow (45%)

Blue (69%)

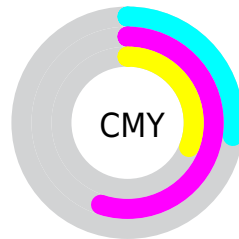


Cyan (0%)

Magenta (39%)

Yellow (6%)

Black (27%)



Cyan (27%)


Magenta (55%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0049, 25.5689, 43.7005 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 34.0049, 25.5689, 43.7005 by changing the saturation by 10% instead.

 34.0049, 25.5689,
43.7005


 34.0049, 25.5689,
43.7005


311.7394,
280.6594, 377.4902


 23.0603, 16.5014,
30.0997


 65.2855, 52.5787,
82.0645


 14.7590, 9.8797,
19.6615


 86.3522, 71.2897,
107.6648

 8.7356, 5.3192,
11.9676

 111.5237, 93.9841,
138.1020

 4.6249, 2.4358,
6.5994

 141.1652,
121.0461, 173.7946

 2.0614, 0.8442,
3.1382

175.6422,
152.8603, 215.1612

 0.6681, 0.0000,
1.1656

215.3200,

 0.0000, 0.0000,

189.8110, 262.6203

0.0000

260.5640,
232.2825, 316.5905

■ 34.0049, 25.5689,
43.7005

■ 34.0049, 25.5689,
43.7005

■ 31.8403, 21.6814,
41.6165

■ 36.6035, 30.3143,
45.9587

■ 30.0814, 18.5961,
39.6962

■ 39.6577, 35.9617,
48.3976

■ 28.6999, 16.2566,
37.9305

■ 43.1903, 42.5564,
51.0254

■ 27.6632, 14.5974,
36.3081

■ 47.2219, 50.1398,
53.8490

■ 26.9328, 13.5416,
34.8160

■ 51.7721, 58.7506,
56.8752

■ 26.4432, 12.9583,
33.4324

■ 56.8593, 68.4255,
60.1101

■ 26.3856, 12.8935,
33.2575

■ 62.5008, 79.1995,
63.5599

■ 66.1726, 86.0243,
66.3832

■ 66.5030, 86.1564,
68.1231

Harmonies

Analogous

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



29.7863, 25.5689, 59.5635



34.0049, 25.5689, 43.7005



35.5379, 25.5689, 27.2054

Triad

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



34.0049, 25.5689, 43.7005



24.0798, 25.5689, 8.0910



16.8213, 25.5689, 45.2142

Complementary

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



34.0049, 25.5689, 43.7005



28.2011, 40.1768, 25.6722

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.



15.7264, 25.5689, 28.4848



34.0049, 25.5689, 43.7005



19.5367, 25.5689, 10.0253

Square

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



34.0049, 25.5689, 43.7005



29.3454, 25.5689, 9.7050



16.6471, 25.5689, 16.3732



19.8731, 25.5689, 60.6320

Rectangle

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



34.0049, 25.5689, 43.7005



34.6814, 25.5689, 18.8002



16.6471, 25.5689, 16.3732



16.2331, 25.5689, 39.3937

Sweetspot

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



34.0057, 25.5701, 43.7010



75.9479, 72.7624, 90.7831



23.3097, 19.9261, 49.0725



16.5382, 15.6746, 19.8538



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



34.0057, 25.5701, 43.7010



58.4165, 40.5529, 76.1430



30.9428, 24.3449, 27.5722



9.3204, 9.1385, 11.0345



17.7734, 8.6831, 22.4915



0.6427, 0.3126, 0.8778

Inverse Universe

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



34.0057, 25.5701, 43.7010



58.4165, 40.5529, 76.1430



30.9147, 41.2622, 39.9619



9.3204, 9.1385, 11.0345



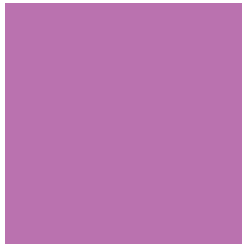
17.7734, 8.6831, 22.4915



0.6427, 0.3126, 0.8778

Previews

White Background



This preview shows how the XYZ color 34.0049, 25.5689, 43.7005 looks on a white background.

Color Contrast Check

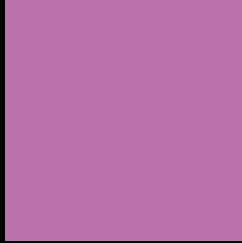
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.0049, 25.5689, 43.7005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

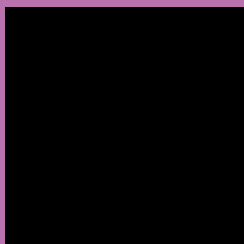
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.0049, 25.5689, 43.7005

Background



This preview shows how black text looks on a background with the XYZ color 34.0049, 25.5689, 43.7005.



This preview shows how white text looks on a background with the XYZ color 34.0049, 25.5689,

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

34.0049, 25.5689, 43.7005

Protanopia

26.4861, 25.8347, 53.4598

Deuteranopia

26.3082, 25.7828, 42.1181



Tritanopia

30.3039, 25.6556, 25.1846

Trichromacy



Original Color

34.0049, 25.5689, 43.7005

Protanomaly

28.3902, 25.2654, 49.8348

Deuteranomaly

28.4920, 25.2869, 42.4089

Tritanomaly

31.5902, 25.6383, 31.3007

Monochromacy



Original Color

34.0049, 25.5689, 43.7005

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

28.1845, 26.1047, 34.1251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0049, 25.5689, 43.7005 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(186, 114, 175)` looks like.

```
.text, #text, p{  
    color:rgb(186, 114, 175)  
}
```

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(186, 114, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 114, 175) }
```

Border

The CSS property to change the border of an element to XYZ 34.0049, 25.5689, 43.7005 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(186, 114, 175) }
```


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

```
.border{ border-color:rgb(186, 114, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 114, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 114, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 114, 175);  
box-shadow:4px 4px 4px 4px rgb(186, 114,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0049, 25.5689, 43.7005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 114, 175) }
```

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

```
.background{ background-color: rgb(186,  
114, 175) }
```

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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