

Converting Colors

XYZ(33.9526, 25.1522, 55.4417)

Have a look what the booklet for
XYZ(33.9526, 25.1522, 55.4417)
contains.

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Color

**XYZ(34.0004, 25.1429,
55.2856)**

Conversions

Conversions Part 1

Format	Color
Hex	B171C4
RGB	177, 113, 196
RGB Percent	69%, 44%, 77%
CMY	0.3059, 0.5568, 0.2314
CMYK	0.10, 0.42, 0.00, 0.23
HSL	286°, 41%, 61%
HSV	286°, 42%, 77%
XYZ	34.0004, 25.1429, 55.2856
YIQ	141.5980, 11.5010, 39.3810

Conversions

Conversions Part 2

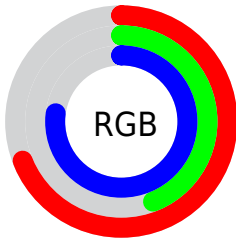
Format	Color
R _Y B	177, 113, 196
Decimal	11628996
CIE Lab	57.21, 39.36, -33.32
CIE LCh	57, 51.571, 319.745
Yxy	25.1429, 0.2971, 0.2197
Android (android.graphics.Color)	4289819076 (0xFFB171C4)
YUV	141.5980, 26.8202, 31.0476
Hunter-Lab	50.1427, 33.2863, -30.2712

Details

The XYZ color **34.0004, 25.1429, 55.2856** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **32.2371, 45.5783, 22.7223**, and the grayscale version is **25.4477, 26.7730, 29.1558**.

A 20% lighter version of the original color is **65.2975, 51.8567, 99.4963**, and **14.8284, 9.7190, 26.6856** is the 20% darker color. If you saturate the color by 10%, you get **31.0403, 20.7144, 54.5872**, and if you desaturate by 10%, it is **37.4681, 30.5352, 56.1441**.

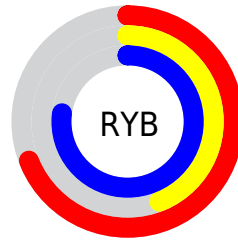
Distribution



Red (69%)

Green (44%)

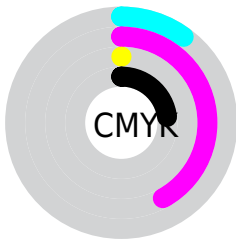
Blue (77%)



Red (69%)

Yellow (44%)

Blue (77%)

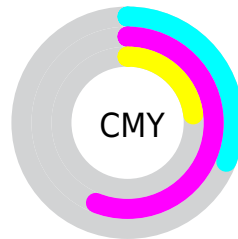


Cyan (10%)

Magenta (42%)

Yellow (0%)

Black (23%)



Cyan (31%)


Magenta (56%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0004, 25.1429, 55.2856 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 34.0004, 25.1429, 55.2856 by changing the saturation by 10% instead.

 34.0004, 25.1429,
55.2856


 34.0004, 25.1429,
55.2856


311.7197,
278.5488, 424.3061


 23.0568, 16.1836,
39.2303

 65.2786, 51.8890,
99.4346


 14.7564, 9.6541,
26.6297


 86.3439, 70.4444,
128.3654

 8.7338, 5.1702,
17.0653


 111.5138, 92.9675,
162.4251

 4.6237, 2.3475,
10.1186

 141.1536,
119.8424, 202.0322

 2.0607, 0.7987,
5.3711

175.6288,
151.4535, 247.6054

 0.6677, 0.0000,
2.4041

215.3046,

 0.0000, 0.0000,

188.1854, 299.5630

0.7887

260.5465,
230.4224, 358.3237

■ 0.0000, 0.0000,
0.0000

■ 34.0004, 25.1429,
55.2856

■ 34.0004, 25.1429,
55.2856

■ 31.0403, 20.7144,
54.5872

■ 37.4681, 30.5352,
56.1441

■ 28.5540, 17.1849,
54.0370

■ 41.4689, 36.9443,
57.1703

■ 26.5079, 14.4867,
53.6240

■ 46.0299, 44.4228,
58.3734

■ 24.8623, 12.5410,
53.3352

■ 51.1753, 53.0189,
59.7614

■ 23.5696, 11.2532,
53.1548

■ 56.9280, 62.7779,
61.3419

■ 22.7512, 10.5777,
53.0675

■ 63.3096, 73.7424,
63.1219

■ 70.3405, 85.9530,
65.1082

■ 73.1341, 89.6360,
65.6718

■ 74.4528, 90.3159,
65.7336

Harmonies

Analogous

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



28.0782, 25.1429, 72.6568



34.0004, 25.1429, 55.2856



37.3796, 25.1429, 33.7946

Triad

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



34.0004, 25.1429, 55.2856



26.0445, 25.1429, 5.8538



14.4797, 25.1429, 40.3486

Complementary

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



34.0004, 25.1429, 55.2856



32.2371, 45.5783, 22.7223

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.



14.1234, 25.1429, 21.8270



34.0004, 25.1429, 55.2856



20.1540, 25.1429, 6.3828

Square

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



34.0004, 25.1429, 55.2856



32.2958, 25.1429, 8.9234



16.0250, 25.1429, 10.9148



17.0983, 25.1429, 61.7976

Rectangle

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



34.0004, 25.1429, 55.2856



37.4039, 25.1429, 22.0805



16.0250, 25.1429, 10.9148



14.1106, 25.1429, 33.4578

Sweetspot

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



34.0013, 25.1440, 55.2861



82.6345, 79.2320, 105.5457



25.0759, 24.0995, 55.5550



17.2757, 16.2801, 22.4818



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.



34.0013, 25.1440, 55.2861



56.5004, 37.9191, 98.9490



36.2978, 26.5978, 43.1978



10.2646, 10.1275, 12.6986



14.6963, 6.8367, 34.1016



0.6915, 0.3245, 1.4761

Inverse Universe

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



32.8357, 25.2130, 24.9668



54.4602, 38.2717, 35.4040



30.9334, 44.7442, 29.9782



10.1655, 10.1148, 10.9623



14.9579, 7.6729, 2.4244



0.6736, 0.3424, 0.2485

Previews

White Background



This preview shows how the XYZ color 34.0004, 25.1429, 55.2856 looks on a white background.

Color Contrast Check

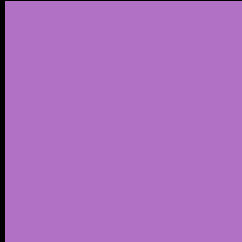
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.0004, 25.1429, 55.2856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

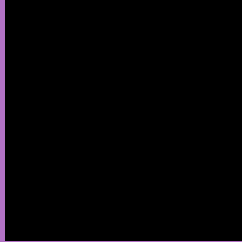
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.0004, 25.1429, 55.2856

Background



This preview shows how black text looks on a background with the XYZ color 34.0004, 25.1429, 55.2856.



This preview shows how white text looks on a background with the XYZ color 34.0004, 25.1429,

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

34.0004, 25.1429, 55.2856

Protanopia

27.1082, 25.4342, 67.0989

Deuteranopia

26.0643, 25.4072, 53.3995



Tritanopia

28.0532, 25.0241, 26.6441

Trichromacy



Original Color

34.0004, 25.1429, 55.2856



Protanomaly

28.6834, 24.7521, 62.2973



Deuteranomaly

28.3293, 24.9513, 53.7750



Tritanomaly

29.8035, 24.8013, 35.5641

Monochromacy



Original Color

34.0004, 25.1429, 55.2856



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

28.1555, 25.8098, 37.6803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0004, 25.1429, 55.2856 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(177, 113, 196)` looks like.

```
.text, #text, p{  
    color:rgb(177, 113, 196)  
}
```

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(177, 113, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 113, 196) }
```

Border

The CSS property to change the border of an element to XYZ 34.0004, 25.1429, 55.2856 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(177, 113, 196) }
```


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

```
.border{ border-color:rgb(177, 113, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 113, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 113, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 113, 196);  
box-shadow:4px 4px 4px 4px rgb(177, 113,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0004, 25.1429, 55.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 113, 196) }
```

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

```
.background{ background-color: rgb(177,  
113, 196) }
```

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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