

Converting Colors

XYZ(33.4968, 26.6519, 57.3508)

Have a look what the booklet for
XYZ(33.4968, 26.6519, 57.3508)
contains.

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Color

**XYZ(33.5402, 26.6143,
57.4021)**

Conversions

Conversions Part 1

Format	Color
Hex	A87BC7
RGB	168, 123, 199
RGB Percent	66%, 48%, 78%
CMY	0.3412, 0.5176, 0.2196
CMYK	0.16, 0.38, 0.00, 0.22
HSL	276°, 40%, 63%
HSV	276°, 38%, 78%
XYZ	33.5402, 26.6143, 57.4021
YIQ	145.1190, 2.4240, 33.1760

Conversions

Conversions Part 2

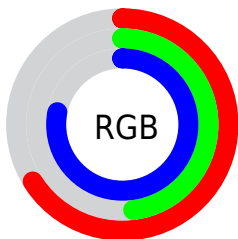
Format	Color
R_{YB}	168, 123, 199
Decimal	11041735
CIE _{Lab}	58.62, 31.71, -32.92
CIE _{LCh}	59, 45.708, 313.928
Yxy	26.6143, 0.2853, 0.2264
Android (android.graphics.Color)	4289231815 (0xFFA87BC7)
YUV	145.1190, 26.5633, 20.0666
Hunter-Lab	51.5890, 25.7695, -29.8585

Details

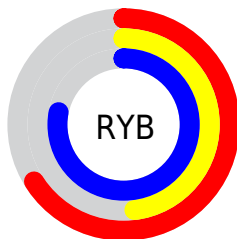
The XYZ color **33.5402, 26.6143, 57.4021** is a light color, and the websafe version is hex **996699**. A complement of this color would be **37.3258, 49.1476, 26.2592**, and the grayscale version is **26.8576, 28.2563, 30.7711**.

A 20% lighter version of the original color is **64.3158, 54.1180, 101.6637**, and **14.5636, 10.4543, 28.0384** is the 20% darker color. If you saturate the color by 10%, you get **29.6436, 21.3064, 56.5834**, and if you desaturate by 10%, it is **38.0483, 32.9835, 58.3943**.

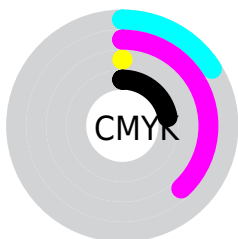
Distribution



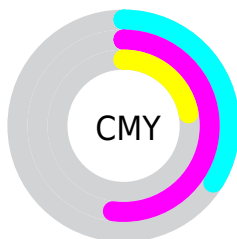
- Red (66%)
- Green (48%)
- Blue (78%)



- Red (66%)
- Yellow (48%)
- Blue (78%)



- Cyan (16%)
- Magenta (38%)
- Yellow (0%)
- Black (22%)



- Cyan (34%)
- Magenta (52%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5402, 26.6143, 57.4021 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 33.5402, 26.6143, 57.4021 by changing the saturation by 10% instead.

■ 33.5402, 26.6143,
57.4021

■ 33.5402, 26.6143,
57.4021

309.6990,
285.7847, 432.4902

■ 22.7018, 17.2838,
40.9166

■ 64.5671, 54.2643,
102.5578

■ 14.4930, 10.4370,
27.9348

■ 85.4862, 73.3526,
132.0652

■ 8.5483, 5.6897,
18.0379

■ 110.4964, 96.4622,
166.7502

■ 4.5025, 2.6573,
10.8075

139.9628,
123.9776, 207.0316

■ 1.9901, 0.9556,
5.8250

174.2510,
156.2832, 253.3277

■ 0.6284, 0.0000,
2.6719

213.7262,

■ 0.0000, 0.0000,

193.7633, 306.0571

0.9292

258.7537,
236.8024, 365.6385

■ 0.0000, 0.0000,
0.0000

■ 33.5402, 26.6143,
57.4021

■ 33.5402, 26.6143,
57.4021

■ 29.6436, 21.3064,
56.5834

■ 38.0483, 32.9835,
58.3943

■ 26.3231, 16.9942,
55.9261

■ 43.1950, 40.4678,
59.5677

■ 23.5439, 13.6101,
55.4193

■ 49.0091, 49.1211,
60.9315

■ 21.2652, 11.0760,
55.0503

■ 55.5166, 58.9928,
62.4939

■ 19.4399, 9.3006,
54.8038

■ 62.7421, 70.1294,
64.2627

■ 17.9968, 8.1449,
54.6568

■ 70.7090, 82.5751,
66.2450

■ 17.7569, 7.9632,
54.6344

■ 77.0647, 91.6225,
67.6564

■ 79.6532, 92.9569,
67.7775

■ 82.3637, 94.3542,
67.9044

Harmonies

Analogous

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



27.9819, 26.6143, 70.4848



33.5402, 26.6143, 57.4021



37.1393, 26.6143, 38.3983

Triad

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



33.5402, 26.6143, 57.4021



28.4009, 26.6143, 8.2780



16.2057, 26.6143, 37.0670

Complementary

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



33.5402, 26.6143, 57.4021



37.3258, 49.1476, 26.2592

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.



16.2834, 26.6143, 21.2408



33.5402, 26.6143, 57.4021



22.7879, 26.6143, 8.1489

Square

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



33.5402, 26.6143, 57.4021



33.8858, 26.6143, 12.3979



18.5274, 26.6143, 11.9396



18.2965, 26.6143, 56.1226

Rectangle

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



33.5402, 26.6143, 57.4021



37.6535, 26.6143, 26.9137



18.5274, 26.6143, 11.9396



15.9898, 26.6143, 31.1462

Sweetspot

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



33.5411, 26.6154, 57.4027



82.6606, 81.2850, 105.9406



30.1441, 31.6675, 58.5569



17.3883, 16.9440, 22.6040



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.



33.5411, 26.6154, 57.4027



52.8706, 38.5986, 99.2714



40.2253, 30.1445, 53.9562



10.6486, 10.5926, 13.4008



11.5194, 5.1727, 35.1357



0.6261, 0.2865, 1.6674

Inverse Universe

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



36.4697, 28.6422, 34.1793



59.1002, 42.8769, 51.3629



32.5773, 46.6523, 28.1742



10.8102, 10.7075, 11.9838



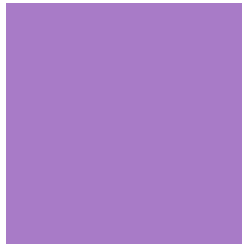
16.1455, 8.2077, 5.9759



0.8003, 0.4029, 0.4713

Previews

White Background



This preview shows how the XYZ color 33.5402, 26.6143, 57.4021 looks on a white background.

Color Contrast Check

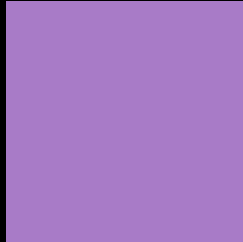
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5402, 26.6143, 57.4021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

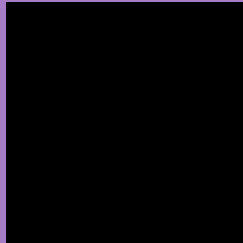
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5402, 26.6143, 57.4021

Background



This preview shows how black text looks on a background with the XYZ color 33.5402, 26.6143, 57.4021.



This preview shows how white text looks on a background with the XYZ color 33.5402, 26.6143,

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

33.5402, 26.6143, 57.4021

Protanopia

28.3187, 26.9317, 65.9931

Deuteranopia

27.3648, 26.6617, 55.9285



Tritanopia

27.9340, 26.4655, 30.4241

Trichromacy



Original Color

33.5402, 26.6143, 57.4021

Protanomaly

29.6417, 26.4309, 62.5709

Deuteranomaly

29.1130, 26.2952, 56.3644

Tritanomaly

29.6745, 26.3633, 39.1219

Monochromacy



Original Color

33.5402, 26.6143, 57.4021

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.8741, 27.3802, 39.3604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5402, 26.6143, 57.4021 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(168, 123, 199)` looks like.

```
.text, #text, p{  
    color:rgb(168, 123, 199)  
}
```

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(168, 123, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 123, 199) }
```

Border

The CSS property to change the border of an element to XYZ 33.5402, 26.6143, 57.4021 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(168, 123, 199) }
```


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

```
.border{ border-color:rgb(168, 123, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 123, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 123, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 123, 199); box-shadow:4px 4px 4px 4px rgb(168, 123, 199) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5402, 26.6143, 57.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 123, 199) }
```

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

```
.background{ background-color: rgb(168,  
123, 199) }
```

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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