

Converting Colors

XYZ(35.2412, 26.6393, 55.2724)

Have a look what the booklet for
XYZ(35.2412, 26.6393, 55.2724)
contains.

XYZ(35.2646, 26.6457, 55.5090)	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(35.2646, 26.6457,
55.5090)**

Conversions

Conversions Part 1

Format	Color
Hex	B476C4
RGB	180, 118, 196
RGB Percent	71%, 46%, 77%
CMY	0.2941, 0.5372, 0.2314
CMYK	0.08, 0.40, 0.00, 0.23
HSL	288°, 40%, 62%
HSV	288°, 40%, 77%
XYZ	35.2646, 26.6457, 55.5090
YIQ	145.4300, 11.9140, 37.4020

Conversions

Conversions Part 2

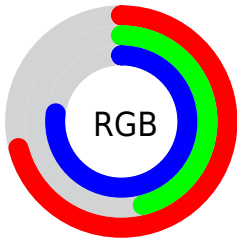
Format	Color
R_{YB}	180, 118, 196
Decimal	11826884
CIE _{Lab}	58.64, 37.54, -31.07
CIE _{LCh}	59, 48.730, 320.383
Yxy	26.6457, 0.3003, 0.2269
Android (android.graphics.Color)	4290016964 (0xFFB476C4)
YUV	145.4300, 24.9310, 30.3179
Hunter-Lab	51.6195, 31.6108, -27.6239

Details

The XYZ color **35.2646, 26.6457, 55.5090** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **32.8424, 45.8568, 24.2611**, and the grayscale version is **26.9876, 28.3931, 30.9201**.

A 20% lighter version of the original color is **67.2176, 54.2222, 99.8517**, and **15.5538, 10.5229, 26.8025** is the 20% darker color. If you saturate the color by 10%, you get **32.2696, 22.0246, 54.7753**, and if you desaturate by 10%, it is **38.7681, 32.2422, 56.4050**.

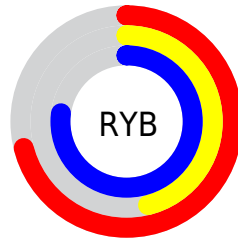
Distribution



Red (71%)

Green (46%)

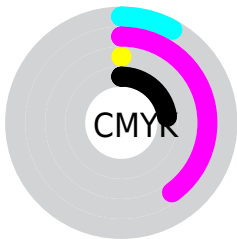
Blue (77%)



Red (71%)

Yellow (46%)

Blue (77%)

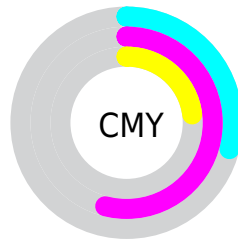


Cyan (8%)

Magenta (40%)

Yellow (0%)

Black (23%)



Cyan (29%)

Magenta (54%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2646, 26.6457, 55.5090 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 35.2646, 26.6457, 55.5090 by changing the saturation by 10% instead.

35.2646, 26.6457,
55.5090

35.2646, 26.6457,
55.5090

317.2223,
285.9375, 425.1747

24.0342, 17.3073,
39.4080

67.2268, 54.3148,
99.7649

15.4839, 10.4538,
26.7670

88.6893, 73.4143,
128.7570

9.2482, 5.7009,
17.1674

114.2933, 96.5363,
162.8832

4.9618, 2.6641,
10.1907

144.4041,
124.0652, 202.5620

2.2594, 0.9590,
5.4183

179.3871,
156.3854, 248.2120

0.7738, 0.0000,
2.4318

219.6075,

0.0000, 0.0000,

193.8812, 300.2518

0.8037

265.4308,
236.9372, 359.0998

■ 0.0000, 0.0000,
0.0000

■ 35.2646, 26.6457,
55.5090

■ 35.2646, 26.6457,
55.5090

■ 32.2696, 22.0246,
54.7753

■ 38.7681, 32.2422,
56.4050

■ 29.7503, 18.3154,
54.1921

■ 42.8049, 38.8654,
57.4706

■ 27.6740, 15.4527,
53.7490


■ 47.4015, 46.5672,
58.7150


■ 26.0026, 13.3605,
53.4333


■ 52.5818, 55.3950,
60.1459

■ 24.6911, 11.9492,
53.2300


■ 58.3680, 65.3932,
61.7707


 23.6550, 11.0501,
53.1110

 64.7815, 76.6039,
63.5966

 23.6347, 11.0331,
53.1088

 71.7771, 88.9365,
65.6083

 72.9230, 89.5272,
65.6619

 74.0977, 90.1328,
65.7169

Harmonies

Analogous

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



29.5489, 26.6457, 72.1666



35.2646, 26.6457, 55.5090



38.4499, 26.6457, 34.8739

Triad

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



35.2646, 26.6457, 55.5090



27.2974, 26.6457, 7.1406



15.9982, 26.6457, 42.0711

Complementary

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



35.2646, 26.6457, 55.5090



32.8424, 45.8568, 24.2611

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.



15.5903, 26.6457, 23.8479



35.2646, 26.6457, 55.5090



21.5258, 26.6457, 7.7877

Square

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



35.2646, 26.6457, 55.5090



33.3950, 26.6457, 10.3107



17.4556, 26.6457, 12.6636



18.6742, 26.6457, 62.5237

Rectangle

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



35.2646, 26.6457, 55.5090



38.4146, 26.6457, 23.4692



17.4556, 26.6457, 12.6636



15.6096, 26.6457, 35.3666

Sweetspot

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



35.2655, 26.6468, 55.5096



83.7816, 80.8355, 105.7948



26.0861, 25.1384, 55.7022



17.6905, 16.8949, 22.5786



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.



35.2655, 26.6468, 55.5096



58.9815, 40.6909, 99.3532



36.8744, 27.7458, 43.4061



10.2884, 10.1399, 12.6998



15.2587, 7.1266, 34.1280



0.7116, 0.3349, 1.4770

Inverse Universe

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



33.5473, 26.4150, 25.8859



55.7193, 40.3843, 37.0741



31.9531, 45.2285, 31.8967



10.1558, 10.1109, 10.9111



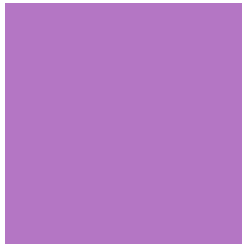
14.9014, 7.6503, 2.1267



0.6693, 0.3407, 0.2258

Previews

White Background



This preview shows how the XYZ color 35.2646, 26.6457, 55.5090 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 35.2646, 26.6457, 55.5090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

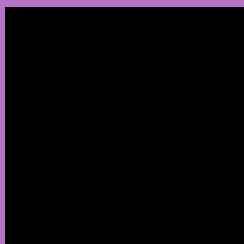
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.2646, 26.6457, 55.5090

Background



This preview shows how black text looks on a background with the XYZ color 35.2646, 26.6457, 55.5090.



This preview shows how white text looks on a background with the XYZ color 35.2646, 26.6457,

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

35.2646, 26.6457, 55.5090

Protanopia

28.4453, 26.9823, 66.6597

Deuteranopia

27.3512, 26.7066, 53.5825



Tritanopia

29.7295, 26.6294, 28.3840

Trichromacy



Original Color

35.2646, 26.6457, 55.5090

Protanomaly

30.0262, 26.2266, 62.5112

Deuteranomaly

29.5960, 26.1938, 53.9481

Tritanomaly

31.4852, 26.5737, 36.7275

Monochromacy



Original Color

35.2646, 26.6457, 55.5090

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.4654, 27.2774, 38.8340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2646, 26.6457, 55.5090 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(180, 118, 196)` looks like.

```
.text, #text, p{  
    color:rgb(180, 118, 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(180, 118, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 118, 196) }
```

Border

The CSS property to change the border of an element to XYZ 35.2646, 26.6457, 55.5090 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(180, 118, 196) }
```


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

```
.border{ border-color:rgb(180, 118, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 118, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 118, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 118, 196);  
box-shadow:4px 4px 4px 4px rgb(180, 118,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2646, 26.6457, 55.5090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 118, 196) }
```

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

```
.background{ background-color: rgb(180,  
118, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor