

Converting Colors

XYZ(40.1478, 34.6171, 55.0180)

Have a look what the booklet for
XYZ(40.1478, 34.6171, 55.0180)
contains.

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Color

**XYZ(40.2446, 34.6658,
55.0221)**

Conversions

Conversions Part 1

Format	Color
Hex	BB91C1
RGB	187, 145, 193
RGB Percent	73%, 57%, 76%
CMY	0.2667, 0.4314, 0.2431
CMYK	0.03, 0.25, 0.00, 0.24
HSL	293°, 28%, 66%
HSV	293°, 25%, 76%
XYZ	40.2446, 34.6658, 55.0221
YIQ	163.0300, 9.6240, 23.8320

Conversions

Conversions Part 2

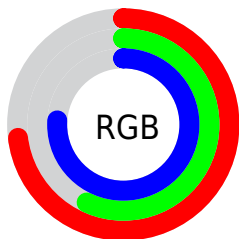
Format	Color
RYB	187, 145, 193
Decimal	12292545
CIELab	65.49, 24.22, -18.81
CIElCh	65, 30.662, 322.167
Yxy	34.6658, 0.3097, 0.2668
Android (android.graphics.Color)	4290482625 (0xFFBB91C1)
YUV	163.0300, 14.7752, 21.0217
Hunter-Lab	58.8777, 18.9740, -14.1931

Details

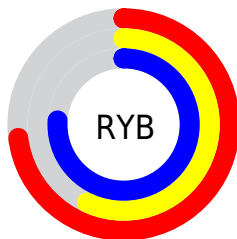
The XYZ color **40.2446, 34.6658, 55.0221** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.9443, 46.7643, 33.8689**, and the grayscale version is **34.7571, 36.5672, 39.8216**.

A 20% lighter version of the original color is **74.9870, 66.9821, 99.4191**, and **18.3358, 14.8560, 26.3272** is the 20% darker color. If you saturate the color by 10%, you get **36.9575, 28.9597, 54.0945**, and if you desaturate by 10%, it is **44.0448, 41.3820, 56.1187**.

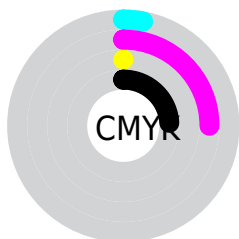
Distribution



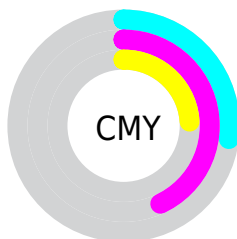
- Red (73%)
- Green (57%)
- Blue (76%)



- Red (73%)
- Yellow (57%)
- Blue (76%)



- Cyan (3%)
- Magenta (25%)
- Yellow (0%)
- Black (24%)





- Cyan (27%)
- Magenta (43%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2446, 34.6658, 55.0221 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 40.2446, 34.6658, 55.0221 by changing the saturation by 10% instead.

 40.2446, 34.6658,
55.0221


 40.2446, 34.6658,
55.0221


338.2702,
323.0907, 423.2800

 27.9144, 23.4056,
39.0207

 74.8178, 66.9677,
99.0448

 18.4012, 14.8932,
26.4679


 97.7915, 88.7782,
127.9032

 11.3399, 8.7445,
16.9451

125.0437,
114.8741, 161.8843

 6.3649, 4.5749,
10.0338

156.9398,
145.6400, 201.4067

 3.1110, 2.0001,
5.3155

193.8452,
181.4603, 246.8890

 1.2127, 0.6075,
2.3716

236.1251,

 0.1164, 0.0000,

222.7192, 298.7496

0.7709

284.1450,
269.8012, 357.4071

■ 0.0000, 0.0000,
0.0000

■ 40.2446, 34.6658,
55.0221

■ 40.2446, 34.6658,
55.0221

■ 36.9575, 28.9597,
54.0945

■ 44.0448, 41.3820,
56.1187

■ 34.1548, 24.2084,
53.3251

■ 48.3784, 49.1508,
57.3898

■ 31.8100, 20.3586,
52.7056

■ 53.2685, 58.0178,
58.8436

■ 29.8929, 17.3494,
52.2258

■ 58.7359, 68.0246,
60.4869

■ 28.3692, 15.1127,
51.8744

■ 64.8005, 79.2106,
62.3264

■ 27.1995, 13.5696,
51.6382

■ 69.6012, 87.8538,
63.7417

■ 26.3358, 12.6242,
51.5012

■ 70.2568, 88.1918,
63.7724

■ 25.9618, 12.2718,
51.4529

■ 70.9227, 88.5351,
63.8035

■ 71.5989, 88.8837,
63.8352

Harmonies

Analogous

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



36.3130, 34.6658, 65.5679



40.2446, 34.6658, 55.0221



42.2577, 34.6658, 41.2141

Triad

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



40.2446, 34.6658, 55.0221



34.1388, 34.6658, 18.1749



25.5864, 34.6658, 47.8584

Complementary

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



40.2446, 34.6658, 55.0221



36.9443, 46.7643, 33.8689

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.



25.1184, 34.6658, 34.4766



40.2446, 34.6658, 55.0221



29.7991, 34.6658, 19.1732

Square

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



40.2446, 34.6658, 55.0221



38.5298, 34.6658, 21.3981



26.5928, 34.6658, 24.5261



27.9346, 34.6658, 60.8207

Rectangle

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



40.2446, 34.6658, 55.0221



42.1241, 34.6658, 32.7725



26.5928, 34.6658, 24.5261



25.2131, 34.6658, 43.1970

Sweetspot

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



40.2457, 34.6673, 55.0228



84.8209, 84.7426, 102.2467



32.4351, 32.1337, 54.9455



18.0929, 17.9932, 21.9047



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



40.2457, 34.6673, 55.0228



68.6713, 56.1467, 97.5783



39.8959, 34.7005, 45.3599



10.3694, 10.1816, 12.7035



17.3138, 8.1860, 34.2241



0.7835, 0.3720, 1.4804

Inverse Universe

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



37.7047, 33.8240, 33.8208



63.3881, 54.4115, 52.6742



37.3232, 46.7905, 41.5283



10.1233, 10.0979, 10.7398



14.7545, 7.5915, 1.3532



0.6547, 0.3349, 0.1491

Previews

White Background



This preview shows how the XYZ color 40.2446, 34.6658, 55.0221 looks on a white background.

Color Contrast Check

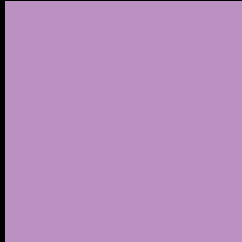
Large Text (above 18pt) WCAG AA × Fail

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 40.2446, 34.6658, 55.0221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

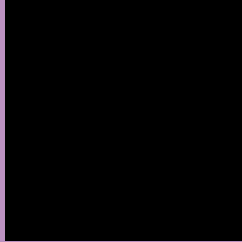
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2446, 34.6658, 55.0221

Background



This preview shows how black text looks on a background with the XYZ color 40.2446, 34.6658, 55.0221.



This preview shows how white text looks on a background with the XYZ color 40.2446, 34.6658,

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

40.2446, 34.6658, 55.0221

Protanopia

35.1003, 35.0139, 60.7855

Deuteranopia

35.5905, 34.9095, 54.1526



Tritanopia

37.1166, 34.8091, 38.9450

Trichromacy



Original Color

40.2446, 34.6658, 55.0221

Protanomaly

36.6003, 34.5874, 58.7798

Deuteranomaly

37.1049, 34.6973, 54.6108

Tritanomaly

38.0574, 34.7024, 44.2275

Monochromacy



Original Color

40.2446, 34.6658, 55.0221

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.5417, 35.6036, 44.9906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2446, 34.6658, 55.0221 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(187, 145, 193)` looks like.

```
.text, #text, p{  
    color:rgb(187, 145, 193)  
}
```

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(187, 145, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 145, 193) }
```

Border

The CSS property to change the border of an element to XYZ 40.2446, 34.6658, 55.0221 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(187, 145, 193) }
```


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

```
.border{ border-color:rgb(187, 145, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 145, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 145, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 145, 193);  
box-shadow:4px 4px 4px 4px rgb(187, 145,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2446, 34.6658, 55.0221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 145, 193) }
```

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

```
.background{ background-color: rgb(187,  
145, 193) }
```

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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