

Converting Colors

XYZ(37.6205, 34.6862, 46.3540)

Have a look what the booklet for
XYZ(37.6205, 34.6862, 46.3540)
contains.

XYZ(37.6645, 34.6903, 46.3057)	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(37.6645, 34.6903,
46.3057)**

Conversions

Conversions Part 1

Format	Color
Hex	B496B1
RGB	180, 150, 177
RGB Percent	71%, 59%, 69%
CMY	0.2941, 0.4117, 0.3059
CMYK	0.00, 0.17, 0.02, 0.29
HSL	306°, 17%, 65%
HSV	306°, 17%, 71%
XYZ	37.6645, 34.6903, 46.3057
YIQ	162.0480, 9.2130, 14.7570

Conversions

Conversions Part 2

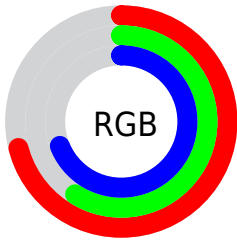
Format	Color
R_{YB}	180, 150, 177
Decimal	11835057
CIE _{Lab}	65.51, 15.93, -9.87
CIE _{LCh}	66, 18.744, 328.214
Yxy	34.6903, 0.3174, 0.2923
Android (android.graphics.Color)	4290025137 (0xFFB496B1)
YUV	162.0480, 7.3713, 15.7439
Hunter-Lab	58.8985, 11.0752, -5.3846

Details

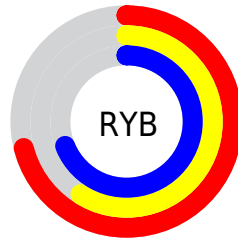
The XYZ color **37.6645, 34.6903, 46.3057** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.6500, 41.4274, 36.3089**, and the grayscale version is **34.3295, 36.1173, 39.3318**.

A 20% lighter version of the original color is **70.8929, 66.9018, 86.2677**, and **16.8523, 14.8909, 21.0548** is the 20% darker color. If you saturate the color by 10%, you get **34.8320, 29.3101, 44.4824**, and if you desaturate by 10%, it is **40.9426, 40.9569, 48.2900**.

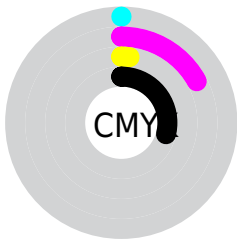
Distribution



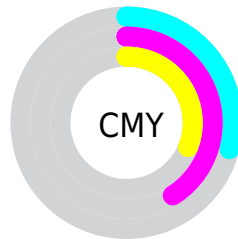
- Red (71%)
- Green (59%)
- Blue (69%)



- Red (71%)
- Yellow (59%)
- Blue (69%)



- Cyan (0%)
- Magenta (17%)
- Yellow (2%)
- Black (29%)



- Cyan (29%)
- Magenta (41%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6645, 34.6903, 46.3057 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 37.6645, 34.6903, 46.3057 by changing the saturation by 10% instead.

■ 37.6645, 34.6903,
46.3057

■ 37.6645, 34.6903,
46.3057

327.4844,
323.1992, 388.3495

■ 25.8984, 23.4244,
32.1367

■ 70.9008, 67.0057,
86.0154

■ 16.8800, 14.9072,
21.2003

■ 93.1018, 88.8240,
112.3932

■ 10.2437, 8.7543,
13.0778

119.5118,
114.9286, 143.6777

■ 5.6243, 4.5813,
7.3508

150.4961,
145.7038, 180.2875

■ 2.6565, 2.0037,
3.6007

186.4202,
181.5341, 222.6410

■ 0.9748, 0.6096,
1.4089

227.6494,

■ 0.0000, 0.0000,

222.8038, 271.1568

0.1487

274.5490,
269.8974, 326.2535

■ 0.0000, 0.0000,
0.0000

■ 37.6645, 34.6903,
46.3057

■ 37.6645, 34.6903,
46.3057

■ 34.8320, 29.3101,
44.4824

■ 40.9426, 40.9569,
48.2900

■ 32.4220, 24.7716,
42.8112

■ 44.6821, 48.1429,
50.4394

■ 30.4139, 21.0331,
41.2855

■ 48.9016, 56.2853,
52.7606

■ 28.7841, 18.0475,
39.8975

■ 53.6180, 65.4176,
55.2593

■ 27.5065, 15.7627,
38.6384

■ 58.8472, 75.5716,
57.9407

■ 26.5520, 14.1201,
37.4985

■ 63.6384, 84.8457,
60.4880

■ 25.8863, 13.0516,
36.4662

■ 63.8335, 84.9238,
61.5152

■ 25.4628, 12.4637,
35.5260

■ 64.0310, 85.0028,
62.5553

■ 25.3441, 12.3120,
35.2225

■ 64.2309, 85.0827,
63.6081

Harmonies

Analogous

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



35.5305, 34.6903, 52.7169



37.6645, 34.6903, 46.3057



38.5332, 34.6903, 38.2449

Triad

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



37.6645, 34.6903, 46.3057



33.1369, 34.6903, 24.5895



28.5369, 34.6903, 45.3772

Complementary

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



37.6645, 34.6903, 46.3057



34.6500, 41.4274, 36.3089

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.



27.9735, 34.6903, 37.3027



37.6645, 34.6903, 46.3057



30.5395, 34.6903, 25.9575

Square

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



37.6645, 34.6903, 46.3057



35.8308, 34.6903, 26.3261



28.6866, 34.6903, 30.3567



30.2696, 34.6903, 52.1307

Rectangle

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



37.6645, 34.6903, 46.3057



38.2434, 34.6903, 33.2420



28.6866, 34.6903, 30.3567



28.2089, 34.6903, 42.6956

Sweetspot

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



37.6655, 34.6918, 46.3064



75.2510, 76.2077, 88.1543



32.2829, 31.8821, 47.6329



16.1679, 16.2861, 18.9968



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.6655, 34.6918, 46.3064



66.3139, 59.1320, 82.7133



36.2515, 34.1262, 38.8601



8.8127, 8.6318, 10.5120



17.7025, 8.5986, 24.6570



0.5675, 0.2747, 0.8311

Inverse Universe

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



37.6655, 34.6918, 46.3064



66.3139, 59.1320, 82.7133



35.9680, 41.9546, 43.2492



8.8127, 8.6318, 10.5120



17.7025, 8.5986, 24.6570



0.5675, 0.2747, 0.8311

Previews

White Background



This preview shows how the XYZ color 37.6645, 34.6903, 46.3057 looks on a white background.

Color Contrast Check

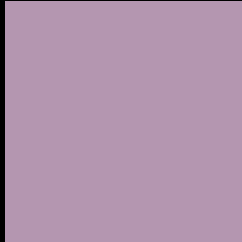
Large Text (above 18pt) WCAG AA × Fail

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 37.6645, 34.6903, 46.3057 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 37.6645, 34.6903, 46.3057

Background



This preview shows how black text looks on a background with the XYZ color 37.6645, 34.6903, 46.3057.



This preview shows how white text looks on a background with the XYZ color 37.6645, 34.6903,

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

37.6645, 34.6903, 46.3057

Protanopia

34.1879, 34.7997, 49.1711

Deuteranopia

35.4942, 34.7928, 45.9192



Tritanopia

36.2892, 34.6018, 39.8881

Trichromacy



Original Color

37.6645, 34.6903, 46.3057

Protanomaly

35.2694, 34.6305, 48.0055

Deuteranomaly

36.2410, 34.6877, 45.8596

Tritanomaly

36.8184, 34.5815, 42.2705

Monochromacy



Original Color

37.6645, 34.6903, 46.3057

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.5641, 35.6788, 41.5715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6645, 34.6903, 46.3057 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, 150, 177)` looks like.

```
.text, #text, p{  
    color:rgb(180, 150, 177)  
}
```

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, 150, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 150, 177) }
```

Border

The CSS property to change the border of an element to XYZ 37.6645, 34.6903, 46.3057 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, 150, 177) }
```


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

```
.border{ border-color:rgb(180, 150, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 150, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 150, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 150, 177);  
box-shadow:4px 4px 4px 4px rgb(180, 150,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6645, 34.6903, 46.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 150, 177) }
```

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

```
.background{ background-color: rgb(180,  
150, 177) }
```

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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