

Converting Colors

XYZ(37.2920, 35.1415, 49.9562)

Have a look what the booklet for
XYZ(37.2920, 35.1415, 49.9562)
contains.

XYZ(37.2765, 35.1274, 50.1630)	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(37.2765, 35.1274,
50.1630)**

Conversions

Conversions Part 1

Format	Color
Hex	AD99B8
RGB	173, 153, 184
RGB Percent	68%, 60%, 72%
CMY	0.3216, 0.4000, 0.2784
CMYK	0.06, 0.17, 0.00, 0.28
HSL	279°, 18%, 66%
HSV	279°, 17%, 72%
XYZ	37.2765, 35.1274, 50.1630
YIQ	162.5140, 1.9690, 13.8810

Conversions

Conversions Part 2

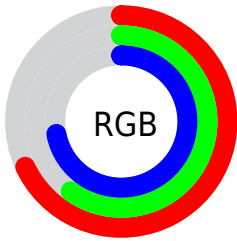
Format	Color
R_{YB}	173, 153, 184
Decimal	11377080
CIE _{Lab}	65.85, 13.20, -13.35
CIE _{LCh}	66, 18.773, 314.669
Yxy	35.1274, 0.3041, 0.2866
Android (android.graphics.Color)	4289567160 (0xFFAD99B8)
YUV	162.5140, 10.5926, 9.1962
Hunter-Lab	59.2684, 8.5469, -8.6934

Details

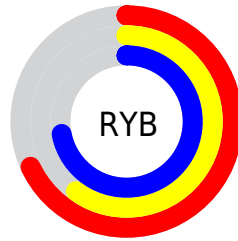
The XYZ color **37.2765, 35.1274, 50.1630** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **38.2015, 44.4744, 36.7097**, and the grayscale version is **34.5358, 36.3344, 39.5682**.

A 20% lighter version of the original color is **70.3541, 67.5749, 91.7733**, and **16.5938, 15.1345, 23.5194** is the 20% darker color. If you saturate the color by 10%, you get **33.0856, 28.8364, 49.1701**, and if you desaturate by 10%, it is **42.0045, 42.3866, 51.3155**.

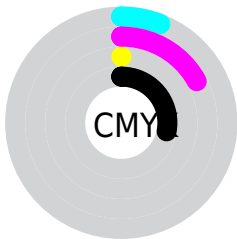
Distribution



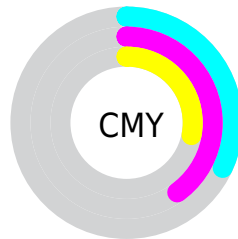
- Red (68%)
- Green (60%)
- Blue (72%)



- Red (68%)
- Yellow (60%)
- Blue (72%)



- Cyan (6%)
- Magenta (17%)
- Yellow (0%)
- Black (28%)



- Cyan (32%)
- Magenta (40%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2765, 35.1274, 50.1630 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 37.2765, 35.1274, 50.1630 by changing the saturation by 10% instead.

■ 37.2765, 35.1274,
50.1630

■ 37.2765, 35.1274,
50.1630

325.8409,
325.1303, 404.0563

■ 25.5963, 23.7610,
35.1708

■ 70.3089, 67.6831,
91.8151

■ 16.6530, 15.1564,
23.5099

■ 92.3918, 89.6412,
119.3122

■ 10.0811, 8.9293,
14.7616

118.6730,
115.8987, 151.8146

■ 5.5155, 4.6951,
8.5075

149.5179,
146.8399, 189.7410

■ 2.5906, 2.0695,
4.3290

185.2918,
182.8493, 233.5098

■ 0.9412, 0.6474,
1.8075

226.3600,

■ 0.0000, 0.0000,

224.3112, 283.5396

0.4329

273.0879,
271.6101, 340.2489

■ 0.0000, 0.0000,
0.0000

■ 37.2765, 35.1274,
50.1630

■ 37.2765, 35.1274,
50.1630

■ 33.0856, 28.8364,
49.1701

■ 42.0045, 42.3866,
51.3155

■ 29.4063, 23.4662,
48.3275

■ 47.2873, 50.6496,
52.6320

■ 26.2160, 18.9719,
47.6282

■ 53.1455, 59.9559,
54.1195

■ 23.4886, 15.3033,
47.0638

■ 59.5978, 70.3413,
55.7840

■ 21.1956, 12.4048,
46.6252

■ 66.6620, 81.8400,
57.6312

■ 19.3047, 10.2136,
46.3019

■ 71.6148, 89.0044,
58.7530

■ 17.7789, 8.6570,
46.0819

■ 73.5377, 89.9956,
58.8430

■ 16.5670, 7.6346,
45.9484

■ 75.5375, 91.0266,
58.9366

■ 16.2191, 7.3618,
45.9141

■ 77.6152, 92.0977,
59.0338

Harmonies

Analogous

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



34.7556, 35.1274, 54.9968



37.2765, 35.1274, 50.1630



38.7961, 35.1274, 42.4271

Triad

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



37.2765, 35.1274, 50.1630



34.8166, 35.1274, 25.3343



28.4922, 35.1274, 42.2451

Complementary

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



37.2765, 35.1274, 50.1630



38.2015, 44.4744, 36.7097

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.



28.5065, 35.1274, 34.3523



37.2765, 35.1274, 50.1630



32.0559, 35.1274, 25.2997

Square

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



37.2765, 35.1274, 50.1630



37.3233, 35.1274, 28.4889



29.7789, 35.1274, 28.3867



29.7387, 35.1274, 50.0139

Rectangle

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



37.2765, 35.1274, 50.1630



38.9865, 35.1274, 37.0185



29.7789, 35.1274, 28.3867



28.3520, 35.1274, 39.5039

Sweetspot

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



37.2776, 35.1289, 50.1638



77.7574, 79.3419, 93.4209



35.1312, 36.9168, 50.6220



16.6245, 16.8893, 20.1054



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



37.2776, 35.1289, 50.1638



64.8159, 59.5058, 90.2742



39.3841, 36.2642, 48.0335



9.0633, 8.9990, 11.3387



11.2570, 5.1144, 31.6469



0.4615, 0.2136, 1.1187

Inverse Universe

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



37.8605, 35.6547, 40.0104



66.1109, 60.6589, 68.3979



36.3758, 43.4931, 38.4374



9.1327, 9.0635, 10.0464



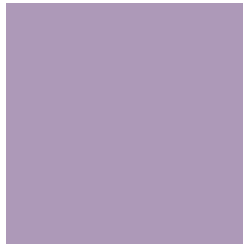
14.3178, 7.3009, 4.2942



0.5348, 0.2694, 0.3097

Previews

White Background



This preview shows how the XYZ color 37.2765, 35.1274, 50.1630 looks on a white background.

Color Contrast Check

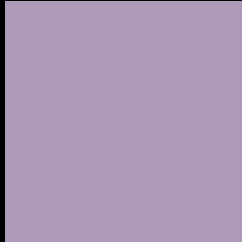
Large Text (above 18pt) WCAG AA × Fail

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 37.2765, 35.1274, 50.1630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

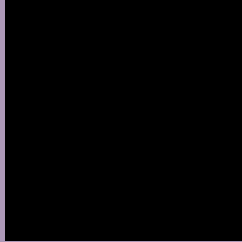
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2765, 35.1274, 50.1630

Background



This preview shows how black text looks on a background with the XYZ color 37.2765, 35.1274, 50.1630.



This preview shows how white text looks on a background with the XYZ color 37.2765, 35.1274,

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

37.2765, 35.1274, 50.1630

Protanopia

34.8017, 35.2971, 52.5557

Deuteranopia

35.9528, 35.1952, 49.6982



Tritanopia

35.7509, 35.2620, 41.9678

Trichromacy



Original Color

37.2765, 35.1274, 50.1630

Protanomaly

35.7246, 35.2789, 51.9403

Deuteranomaly

36.4170, 35.1864, 49.6720

Tritanomaly

36.3746, 35.2693, 44.9349

Monochromacy



Original Color

37.2765, 35.1274, 50.1630

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.6852, 35.9520, 43.5867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2765, 35.1274, 50.1630 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(173, 153, 184)` looks like.

```
.text, #text, p{  
    color:rgb(173, 153, 184)  
}
```

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(173, 153, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 153, 184) }
```

Border

The CSS property to change the border of an element to XYZ 37.2765, 35.1274, 50.1630 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(173, 153, 184) }
```


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

```
.border{ border-color:rgb(173, 153, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 153, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 153, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 153, 184);  
box-shadow:4px 4px 4px 4px rgb(173, 153,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2765, 35.1274, 50.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 153, 184) }
```

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

```
.background{ background-color: rgb(173,  
153, 184) }
```

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