

Converting Colors

XYZ(35.7754, 27.2556, 50.2232)

Have a look what the booklet for
XYZ(35.7754, 27.2556, 50.2232)
contains.

XYZ(35.8162, 27.2206, 50.3801)	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(35.8162, 27.2206,
50.3801)**

Conversions

Conversions Part 1

Format	Color
Hex	BA77BB
RGB	186, 119, 187
RGB Percent	73%, 47%, 73%
CMY	0.2706, 0.5333, 0.2667
CMYK	0.01, 0.36, 0.00, 0.27
HSL	299°, 33%, 60%
HSV	299°, 36%, 73%
XYZ	35.8162, 27.2206, 50.3801
YIQ	146.7850, 18.1040, 35.3520

Conversions

Conversions Part 2

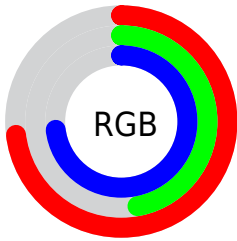
Format	Color
RYB	186, 119, 187
Decimal	12220347
CIELab	59.18, 37.10, -25.07
CIELCh	59, 44.781, 325.951
Yxy	27.2206, 0.3158, 0.2400
Android (android.graphics.Color)	4290410427 (0xFFBA77BB)
YUV	146.7850, 19.8260, 34.3916
Hunter-Lab	52.1734, 31.2341, -20.7308

Details

The XYZ color **35.8162, 27.2206, 50.3801** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.8467, 40.8663, 23.8216**, and the grayscale version is **27.5607, 28.9960, 31.5767**.

A 20% lighter version of the original color is **67.8923, 55.0308, 91.8377**, and **15.7303, 10.6808, 23.7868** is the 20% darker color. If you saturate the color by 10%, you get **33.7395, 23.1656, 49.7072**, and if you desaturate by 10%, it is **38.3327, 32.1538, 51.2001**.

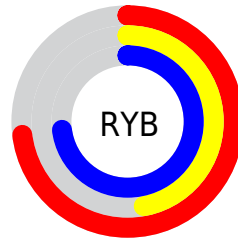
Distribution



Red (73%)

Green (47%)

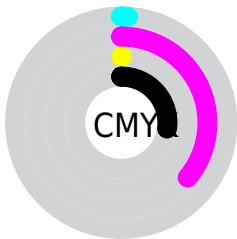
Blue (73%)



Red (73%)

Yellow (47%)

Blue (73%)

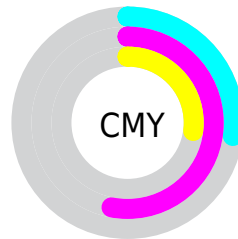


Cyan (1%)

Magenta (36%)

Yellow (0%)

Black (27%)



Cyan (27%)


Magenta (53%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8162, 27.2206, 50.3801 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 35.8162, 27.2206, 50.3801 by changing the saturation by 10% instead.


 35.8162, 27.2206,
50.3801


 35.8162, 27.2206,
50.3801

319.6017,
288.7236, 404.9281


 24.4617, 17.7390,
35.3422


 68.0740, 55.2377,
92.1399

 15.8031, 10.7627,
23.6409


 89.7081, 74.5419,
119.6989

 9.4749, 5.9075,
14.8578


 115.4993, 97.8891,
152.2686

 5.1118, 2.7889,
8.5741

145.8132,
125.6637, 190.2677

 2.3484, 1.0226,
4.3714

181.0150,
158.2500, 234.1147

 0.8193, 0.0000,
1.8313

221.4702,

 0.0000, 0.0000,

196.0325, 284.2280

0.4485

267.5439,
239.3956, 341.0263

■ 0.0000, 0.0000,
0.0000

■ 35.8162, 27.2206,
50.3801

■ 35.8162, 27.2206,
50.3801

■ 33.7395, 23.1656,
49.7072

■ 38.3327, 32.1538,
51.2001

■ 32.0740, 19.9335,
49.1712

■ 41.3100, 38.0090,
52.1733

■ 30.7922, 17.4686,
48.7630

■ 44.7709, 44.8313,
53.3077

■ 29.8620, 15.7066,
48.4719

■ 48.7362, 52.6619,
54.6102

■ 29.2460, 14.5729,
48.2855

■ 53.2250, 61.5397,
56.0872

■ 28.8953, 13.9695,
48.1875

■ 58.2559, 71.5013,
57.7448

■ 28.7975, 13.8095,
48.1618

■ 63.8463, 82.5817,
59.5889

■ 65.5180, 85.8247,
60.1268

■ 65.5859, 85.8596,
60.1299

Harmonies

Analogous

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



30.8558, 27.2206, 66.7298



35.8162, 27.2206, 50.3801



38.1146, 27.2206, 31.8611

Triad

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



35.8162, 27.2206, 50.3801



26.6372, 27.2206, 8.3431



17.3764, 27.2206, 45.2162

Complementary

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



35.8162, 27.2206, 50.3801



28.8467, 40.8663, 23.8216

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.



16.5800, 27.2206, 27.5220



35.8162, 27.2206, 50.3801



21.4567, 27.2206, 9.7090

Square

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



35.8162, 27.2206, 50.3801



32.3547, 27.2206, 10.7766



17.9638, 27.2206, 15.5514



20.3194, 27.2206, 63.0726

Rectangle

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



35.8162, 27.2206, 50.3801



37.6167, 27.2206, 21.9727



17.9638, 27.2206, 15.5514



16.8687, 27.2206, 38.9076

Sweetspot

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



35.8171, 27.2218, 50.3807



77.0881, 74.1863, 94.4578



23.3110, 20.9761, 49.8343



16.7918, 15.9737, 20.7408



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



35.8171, 27.2218, 50.3807



60.9887, 42.5837, 89.2064



32.9350, 26.0971, 33.9325



9.9157, 9.6889, 12.0197



19.8473, 9.5177, 33.1839



0.7819, 0.3751, 1.3000

Inverse Universe

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



30.4814, 25.1157, 21.0116



49.9918, 38.2469, 28.4997



31.0356, 41.7259, 36.0678



9.5357, 9.5386, 9.9441



14.1330, 7.2843, 0.7278



0.5556, 0.2861, 0.0389

Previews

White Background



This preview shows how the XYZ color 35.8162, 27.2206, 50.3801 looks on a white background.

Color Contrast Check

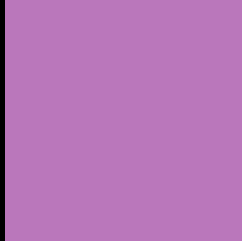
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8162, 27.2206, 50.3801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

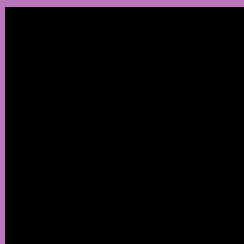
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8162, 27.2206, 50.3801

Background



This preview shows how black text looks on a background with the XYZ color 35.8162, 27.2206, 50.3801.



This preview shows how white text looks on a background with the XYZ color 35.8162, 27.2206,

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

35.8162, 27.2206, 50.3801

Protanopia

28.5923, 27.6203, 60.9510

Deuteranopia

27.9170, 27.3260, 48.6028



Tritanopia

31.3328, 27.2679, 28.0379

Trichromacy



Original Color

35.8162, 27.2206, 50.3801



Protanomaly

30.4346, 26.9633, 57.0264



Deuteranomaly

30.2294, 26.8332, 48.9335



Tritanomaly

32.6258, 27.0126, 34.9469

Monochromacy



Original Color

35.8162, 27.2206, 50.3801



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

30.1652, 28.0770, 38.0119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8162, 27.2206, 50.3801 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(186, 119, 187)` looks like.

```
.text, #text, p{  
    color:rgb(186, 119, 187)  
}
```

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(186, 119, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 119, 187) }
```

Border

The CSS property to change the border of an element to XYZ 35.8162, 27.2206, 50.3801 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(186, 119, 187) }
```


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

```
.border{ border-color:rgb(186, 119, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 119, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 119, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 119, 187);  
box-shadow:4px 4px 4px 4px rgb(186, 119,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8162, 27.2206, 50.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 119, 187) }
```

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

```
.background{ background-color: rgb(186,  
119, 187) }
```

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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