

Converting Colors

XYZ(36.7241, 32.1554, 48.0140)

Have a look what the booklet for
XYZ(36.7241, 32.1554, 48.0140)
contains.

XYZ(36.6878, 32.0892, 47.9763)	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(36.6878, 32.0892,
47.9763)**

Conversions

Conversions Part 1

Format	Color
Hex	B48DB5
RGB	180, 141, 181
RGB Percent	71%, 55%, 71%
CMY	0.2941, 0.4470, 0.2902
CMYK	0.01, 0.22, 0.00, 0.29
HSL	299°, 21%, 63%
HSV	299°, 22%, 71%
XYZ	36.6878, 32.0892, 47.9763
YIQ	157.2210, 10.4040, 20.7080

Conversions

Conversions Part 2

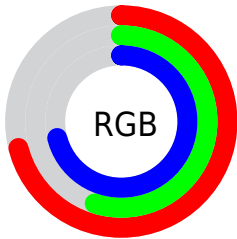
Format	Color
RYB	180, 141, 181
Decimal	11832757
CIELab	63.42, 21.74, -15.26
CIELCh	63, 26.564, 324.926
Yxy	32.0892, 0.3142, 0.2748
Android (android.graphics.Color)	4290022837 (0xFFB48DB5)
YUV	157.2210, 11.7230, 19.9772
Hunter-Lab	56.6473, 16.4732, -10.5613

Details

The XYZ color **36.6878, 32.0892, 47.9763** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.4880, 40.7224, 31.3487**, and the grayscale version is **32.0937, 33.7650, 36.7701**.

A 20% lighter version of the original color is **69.3932, 62.9775, 88.6192**, and **16.3048, 13.3829, 22.1459** is the 20% darker color. If you saturate the color by 10%, you get **34.1292, 27.1276, 47.1539**, and if you desaturate by 10%, it is **39.6848, 37.9261, 48.9455**.

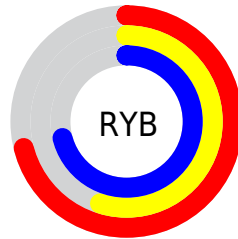
Distribution



Red (71%)

Green (55%)

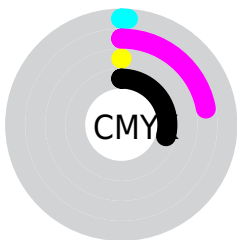
Blue (71%)



Red (71%)

Yellow (55%)

Blue (71%)

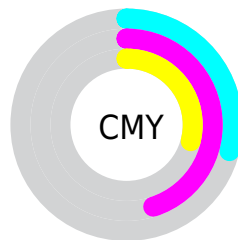


Cyan (1%)

Magenta (22%)

Yellow (0%)

Black (29%)



Cyan (29%)


Magenta (45%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6878, 32.0892, 47.9763 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 36.6878, 32.0892, 47.9763 by changing the saturation by 10% instead.


 36.6878, 32.0892,
47.9763


 36.6878, 32.0892,
47.9763

323.3359,
311.5254, 395.2042


 25.1384, 21.4296,
33.4483


 69.4093, 62.9509,
88.5343

 16.3095, 13.4384,
22.1961


 91.3122, 83.9218,
115.4013

 9.8357, 7.7311,
13.8014


 117.3969,
109.0987, 147.2185

 5.3516, 3.9234,
7.8455

148.0288,
138.8658, 184.4042

 2.4918, 1.6308,
3.9099

183.5733,
173.6077, 227.3771

 0.8911, 0.3782,
1.5760

224.3958,

 0.0000, 0.0000,

213.7086, 276.5557

0.2736

270.8615,
259.5531, 332.3586

■ 0.0000, 0.0000,
0.0000

■ 36.6878, 32.0892,
47.9763

■ 36.6878, 32.0892,
47.9763

■ 34.1292, 27.1276,
47.1539

■ 39.6848, 37.9261,
48.9455

■ 31.9850, 22.9947,
46.4692

■ 43.1371, 44.6736,
50.0659

■ 30.2332, 19.6461,
45.9152

■ 47.0641, 52.3700,
51.3445

■ 28.8487, 17.0316,
45.4835

■ 51.4834, 61.0504,
52.7870

■ 27.8034, 15.0950,
45.1648

■ 56.4114, 70.7479,
54.3991

■ 27.0651, 13.7721,
44.9484

■ 61.8642, 81.4942,
56.1860

■ 26.5958, 12.9863,
44.8215

■ 63.6689, 84.9441,
56.7567

■ 26.3534, 12.6222,
44.7639

■ 63.7768, 84.9997,
56.7618

■ 63.8850, 85.0555,
56.7668

Harmonies

Analogous

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



33.5912, 32.0892, 56.8156



36.6878, 32.0892, 47.9763



38.1333, 32.0892, 36.7694

Triad

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



36.6878, 32.0892, 47.9763



31.1322, 32.0892, 18.3462



24.5032, 32.0892, 44.2296

Complementary

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



36.6878, 32.0892, 47.9763



32.4880, 40.7224, 31.3487

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.



23.9598, 32.0892, 33.1717



36.6878, 32.0892, 47.9763



27.6042, 32.0892, 19.5526

Square

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



36.6878, 32.0892, 47.9763



34.7647, 32.0892, 20.7997



25.0500, 32.0892, 24.5085



26.5988, 32.0892, 54.3645

Rectangle

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



36.6878, 32.0892, 47.9763



37.8881, 32.0892, 29.9594



25.0500, 32.0892, 24.5085



24.1405, 32.0892, 40.4434

Sweetspot

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



36.6888, 32.0906, 47.9770



74.0492, 73.7348, 88.6240



29.0490, 28.4457, 47.6761



15.9272, 15.7853, 19.1297



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.



36.6888, 32.0906, 47.9770



63.1592, 52.5250, 85.1041



35.1332, 31.4953, 38.5665



8.8286, 8.6357, 10.7079



18.1765, 8.7061, 30.8594



0.5784, 0.2773, 0.9713

Inverse Universe

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



33.4645, 30.8278, 29.7791



56.2681, 49.8285, 46.1066



33.8255, 41.2377, 39.2830



8.5047, 8.5086, 8.8901



13.1578, 6.7807, 0.7251



0.4168, 0.2145, 0.0377

Previews

White Background



This preview shows how the XYZ color 36.6878, 32.0892, 47.9763 looks on a white background.

Color Contrast Check

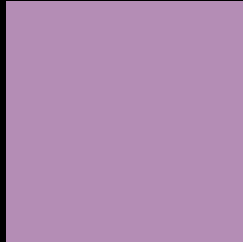
Large Text (above 18pt) WCAG AA × Fail

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 36.6878, 32.0892, 47.9763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

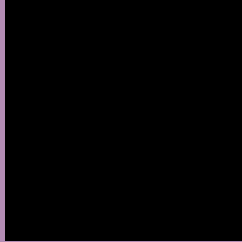
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6878, 32.0892, 47.9763

Background



This preview shows how black text looks on a background with the XYZ color 36.6878, 32.0892, 47.9763.



This preview shows how white text looks on a background with the XYZ color 36.6878, 32.0892,

47.9763.

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

36.6878, 32.0892, 47.9763

Protanopia

32.0906, 32.1503, 52.6584

Deuteranopia

32.7533, 32.1353, 47.1243



Tritanopia

34.3427, 32.0322, 36.2711

Trichromacy



Original Color

36.6878, 32.0892, 47.9763

Protanomaly

33.5534, 31.9941, 50.8614

Deuteranomaly

34.1890, 32.1621, 47.5860

Tritanomaly

35.2163, 32.1647, 40.4287

Monochromacy



Original Color

36.6878, 32.0892, 47.9763

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.4666, 32.8857, 40.6601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6878, 32.0892, 47.9763 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, 141, 181)` looks like.

```
.text, #text, p{  
    color:rgb(180, 141, 181)  
}
```

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, 141, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 141, 181) }
```

Border

The CSS property to change the border of an element to XYZ 36.6878, 32.0892, 47.9763 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, 141, 181) }
```


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

```
.border{ border-color:rgb(180, 141, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 141, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 141, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 141, 181);  
box-shadow:4px 4px 4px 4px rgb(180, 141,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6878, 32.0892, 47.9763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 141, 181) }
```

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

```
.background{ background-color: rgb(180,  
141, 181) }
```

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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