

Converting Colors

XYZ(32.0673, 16.1832, 55.4060)

Have a look what the booklet for
XYZ(32.0673, 16.1832, 55.4060)
contains.

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Color

**XYZ(32.1160, 16.2147,
55.4699)**

Conversions

Conversions Part 1

Format	Color
Hex	BE22C7
RGB	190, 34, 199
RGB Percent	75%, 13%, 78%
CMY	0.2549, 0.8666, 0.2196
CMYK	0.05, 0.83, 0.00, 0.22
HSL	297°, 71%, 46%
HSV	297°, 83%, 78%
XYZ	32.1160, 16.2147, 55.4699
YIQ	99.4540, 40.0110, 84.3870

Conversions

Conversions Part 2

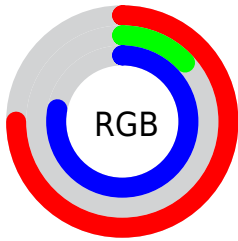
Format	Color
R_{YB}	190, 34, 199
Decimal	12460743
CIE _{Lab}	47.25, 75.60, -50.67
CIE _{LCh}	47, 91.016, 326.168
Yxy	16.2147, 0.3094, 0.1562
Android (android.graphics.Color)	4290650823 (0xFFBE22C7)
YUV	99.4540, 49.0762, 79.4088
Hunter-Lab	40.2675, 71.8976, -53.4869

Details

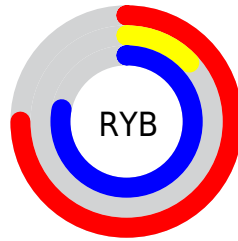
The XYZ color **32.1160, 16.2147, 55.4699** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **21.7090, 41.4763, 8.3756**, and the grayscale version is **11.8484, 12.4655, 13.5749**.

A 20% lighter version of the original color is **62.1280, 36.8514, 98.4463**, and **14.5498, 6.9192, 26.9542** is the 20% darker color. If you saturate the color by 10%, you get **31.4328, 15.2486, 55.3197**, and if you desaturate by 10%, it is **33.1315, 17.8410, 55.7305**.

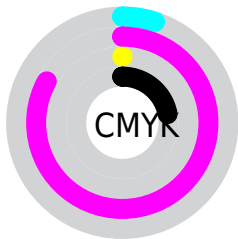
Distribution



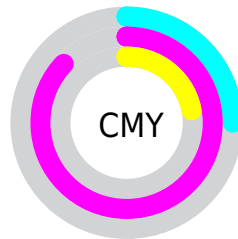
- Red (75%)
- Green (13%)
- Blue (78%)



- Red (75%)
- Yellow (13%)
- Blue (78%)



- Cyan (5%)
- Magenta (83%)
- Yellow (0%)
- Black (22%)



- Cyan (25%)
- Magenta (87%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1160, 16.2147, 55.4699 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 32.1160, 16.2147, 55.4699 by changing the saturation by 10% instead.

■ 32.1160, 16.2147,
55.4699

■ 32.1160, 16.2147,
55.4699

303.3832,
230.6053, 425.0227

■ 21.6061, 9.6762,
39.3769

■ 62.3569, 36.9705,
99.7071

■ 13.6827, 5.1848,
26.7430

■ 82.8185, 51.9567,
128.6885

■ 7.9806, 2.3561,
17.1496

■ 107.3282, 70.5275,
162.8030

■ 4.1342, 0.8032,
10.1781

■ 136.2511, 93.0673,
202.4693

■ 1.7783, 0.0000,
5.4101

■ 169.9527,
119.9606, 248.1059

■ 0.5046, 0.0000,
2.4269

■ 208.7984,

■ 0.0000, 0.0000,

151.5918, 300.1313

0.8010

253.1534,
188.3452, 358.9641

■ 0.0000, 0.0000,
0.0000

■ 32.1160, 16.2147,
55.4699

■ 32.1160, 16.2147,
55.4699

■ 31.4328, 15.2486,
55.3197

■ 33.1315, 17.8410,
55.7305

■ 31.0840, 14.8335,
55.2579

■ 34.5267, 20.2246,
56.1171

■ 36.3438, 23.4486,
56.6436

■ 38.6184, 27.5849,
57.3221

■ 41.3828, 32.6976,
58.1632

■ 44.6660, 38.8450,
59.1768

■ 48.4950, 46.0808,
60.3716

■ 52.8947, 54.4551,
61.7561

■ 57.8886, 64.0147,
63.3381

Harmonies

Analogous

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



23.2694, 16.2147, 94.4588



32.1160, 16.2147, 55.4699



36.5097, 16.2147, 20.7765

Triad

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



32.1160, 16.2147, 55.4699



16.4661, 16.2147, 0.0000



5.2952, 16.2147, 45.2033

Complementary

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



32.1160, 16.2147, 55.4699



21.7090, 41.4763, 8.3756

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.



4.5718, 16.2147, 14.8630



32.1160, 16.2147, 55.4699



9.5579, 16.2147, 0.0000

Square

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



32.1160, 16.2147, 55.4699



25.7005, 16.2147, 0.4103



5.8174, 16.2147, 2.7091



8.3168, 16.2147, 85.7084

Rectangle

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



32.1160, 16.2147, 55.4699



35.4957, 16.2147, 7.9853



5.8174, 16.2147, 2.7091



4.8328, 16.2147, 33.0456

Sweetspot

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



32.1167, 16.2154, 55.4702



76.7077, 65.1972, 103.1491



11.9075, 6.3412, 54.6295



15.9746, 13.1230, 21.9410



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.1167, 16.2154, 55.4702



54.4321, 26.0168, 96.7606



27.9893, 14.8322, 21.6391



11.0238, 10.7860, 13.4184



20.0121, 9.5509, 35.5331



0.9654, 0.4614, 1.6833

Inverse Universe

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



24.5618, 13.4612, 3.5900



41.3636, 21.3537, 2.4444



23.6594, 42.2176, 20.4030



10.6569, 10.6462, 11.1767



15.1940, 7.8272, 0.9656



0.7278, 0.3740, 0.0897

Previews

White Background



This preview shows how the XYZ color 32.1160, 16.2147, 55.4699 looks on a white background.

Color Contrast Check

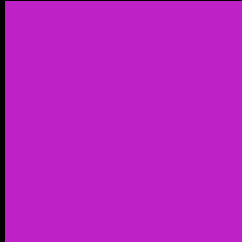
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.1160, 16.2147, 55.4699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

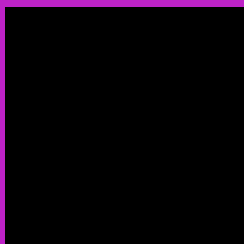
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.1160, 16.2147, 55.4699

Background



This preview shows how black text looks on a background with the XYZ color 32.1160, 16.2147, 55.4699.



This preview shows how white text looks on a background with the XYZ color 32.1160, 16.2147,

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

32.1160, 16.2147, 55.4699

Protanopia

19.8924, 16.7068, 77.7776

Deuteranopia

17.1443, 16.7222, 49.9011



Tritanopia

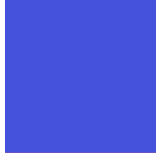
22.9862, 16.2382, 11.1553

Trichromacy



Original Color

32.1160, 16.2147, 55.4699



Protanomaly

18.2577, 12.4143, 68.4517



Deuteranomaly

19.0696, 13.5540, 51.4803



Tritanomaly

25.0780, 15.2842, 22.0505

Monochromacy



Original Color

32.1160, 16.2147, 55.4699



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

16.4050, 11.6870, 24.3128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1160, 16.2147, 55.4699 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(190, 34, 199)` looks like.

```
.text, #text, p{  
    color:rgb(190, 34, 199)  
}
```

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(190, 34, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 34, 199) }
```

Border

The CSS property to change the border of an element to XYZ 32.1160, 16.2147, 55.4699 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(190, 34, 199) }
```


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

```
.border{ border-color:rgb(190, 34, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 34, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 34, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 34, 199);  
box-shadow:4px 4px 4px 4px rgb(190, 34,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1160, 16.2147, 55.4699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 34, 199) }
```

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

```
.background{ background-color: rgb(190, 34,  
199) }
```

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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