

Converting Colors

XYZ(32.5206, 17.2831, 46.9227)

Have a look what the booklet for
XYZ(32.5206, 17.2831, 46.9227)
contains.

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Color

**XYZ(32.4332, 17.2295,
46.9636)**

Conversions

Conversions Part 1

Format	Color
Hex	C42FB8
RGB	196, 47, 184
RGB Percent	77%, 18%, 72%
CMY	0.2314, 0.8157, 0.2784
CMYK	0.00, 0.76, 0.06, 0.23
HSL	305°, 61%, 48%
HSV	305°, 76%, 77%
XYZ	32.4332, 17.2295, 46.9636
YIQ	107.1690, 44.8270, 74.1950

Conversions

Conversions Part 2

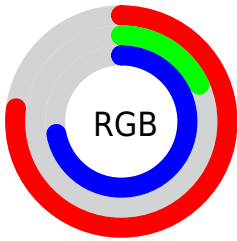
Format	Color
R_{YB}	196, 47, 184
Decimal	12857272
CIE _{Lab}	48.55, 71.17, -39.82
CIE _{LCh}	49, 81.557, 330.773
Yxy	17.2295, 0.3357, 0.1783
Android (android.graphics.Color)	4291047352 (0xFFC42FB8)
YUV	107.1690, 37.8777, 77.9048
Hunter-Lab	41.5084, 66.8337, -38.0262

Details

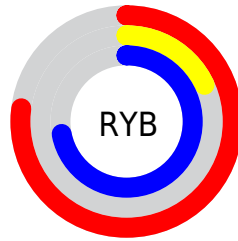
The XYZ color **32.4332, 17.2295, 46.9636** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted rose. A complement of this color would be **21.7025, 40.4007, 10.7932**, and the grayscale version is **13.9128, 14.6373, 15.9400**.

A 20% lighter version of the original color is **62.5858, 38.5482, 87.3610**, and **14.5105, 7.0150, 21.7083** is the 20% darker color. If you saturate the color by 10%, you get **31.6537, 15.9335, 45.8919**, and if you desaturate by 10%, it is **33.5674, 19.2311, 48.1629**.

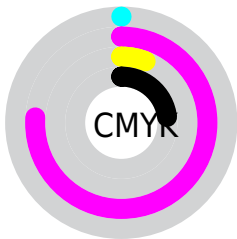
Distribution



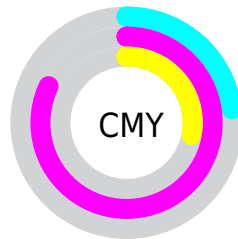
- Red (77%)
- Green (18%)
- Blue (72%)



- Red (77%)
- Yellow (18%)
- Blue (72%)



- Cyan (0%)
- Magenta (76%)
- Yellow (6%)
- Black (23%)



- Cyan (23%)
- Magenta (82%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4332, 17.2295, 46.9636 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 32.4332, 17.2295, 46.9636 by changing the saturation by 10% instead.

32.4332, 17.2295,
46.9636

32.4332, 17.2295,
46.9636

304.7983,
236.4915, 391.0588

21.8497, 10.3983,
32.6527

62.8502, 38.7199,
87.0087

13.8625, 5.6638,
21.5916

83.4145, 54.1479,
113.5800

8.1062, 2.6417,
13.3617

108.0364, 73.2103,
145.0752

4.2153, 0.9477,
7.5444

137.0814, 96.2914,
181.9129

1.8247, 0.0000,
3.7213

170.9146,
123.7757, 224.5115

0.5325, 0.0000,
1.4737

209.9017,

0.0000, 0.0000,

156.0475, 273.2897

0.1982

254.4077,
193.4913, 328.6659

■ 0.0000, 0.0000,
0.0000

■ 32.4332, 17.2295,
46.9636

■ 32.4332, 17.2295,
46.9636

■ 31.6537, 15.9335,
45.8919

■ 33.5674, 19.2311,
48.1629

■ 31.1744, 15.2352,
44.9292

■ 35.0962, 22.0195,
49.5027

■ 31.0253, 15.0399,
44.5622

■ 37.0563, 25.6673,
50.9955

■ 39.4795, 30.2384,
52.6518

■ 42.3947, 35.7905,
54.4814

■ 45.8284, 42.3768,
56.4930

■ 49.8053, 50.0463,
58.6950

■ 54.3485, 58.8453,
61.0951

■ 59.4796, 68.8172,
63.7005

Harmonies

Analogous

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



24.9047, 17.2295, 81.1930



32.4332, 17.2295, 46.9636



35.4092, 17.2295, 18.2090

Triad

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



32.4332, 17.2295, 46.9636



16.1826, 17.2295, 0.1506



6.8574, 17.2295, 48.7632

Complementary

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



32.4332, 17.2295, 46.9636



21.7025, 40.4007, 10.7932

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.



5.7846, 17.2295, 19.3220



32.4332, 17.2295, 46.9636



10.0577, 17.2295, 0.9529

Square

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



32.4332, 17.2295, 46.9636



24.4623, 17.2295, 0.8759



6.7492, 17.2295, 4.9682



10.3029, 17.2295, 82.6799

Rectangle

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



32.4332, 17.2295, 46.9636



33.8688, 17.2295, 7.6047



6.7492, 17.2295, 4.9682



6.2644, 17.2295, 37.5193

Sweetspot

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



32.4338, 17.2303, 46.9639



78.3576, 67.8174, 99.6297



12.6648, 6.8874, 52.8871



16.3146, 13.6413, 21.0497



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.



32.4338, 17.2303, 46.9639



56.7307, 27.9449, 81.9967



26.6829, 14.9300, 16.6800



10.4612, 10.2331, 12.5190



19.9499, 9.6697, 28.7119



0.8725, 0.4220, 1.2961

Inverse Universe

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



32.4338, 17.2303, 46.9639



56.7307, 27.9449, 81.9967



25.0393, 41.7354, 28.3646



10.4612, 10.2331, 12.5190



19.9499, 9.6697, 28.7119



0.8725, 0.4220, 1.2961

Previews

White Background



This preview shows how the XYZ color 32.4332, 17.2295, 46.9636 looks on a white background.

Color Contrast Check

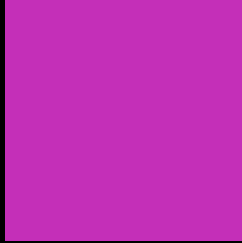
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.4332, 17.2295, 46.9636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

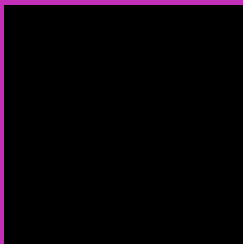
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.4332, 17.2295, 46.9636

Background



This preview shows how black text looks on a background with the XYZ color 32.4332, 17.2295, 46.9636.



This preview shows how white text looks on a background with the XYZ color 32.4332, 17.2295,

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

32.4332, 17.2295, 46.9636

Protanopia

21.2268, 17.7614, 83.1984

Deuteranopia

17.8905, 17.4413, 42.4680



Tritanopia

25.0284, 17.1783, 11.2291

Trichromacy



Original Color

32.4332, 17.2295, 46.9636



Protanomaly

18.7431, 13.3810, 67.9246



Deuteranomaly

20.5941, 15.1159, 43.9517



Tritanomaly

26.9385, 16.6335, 20.5297

Monochromacy



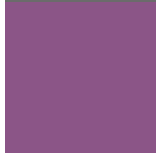
Original Color

32.4332, 17.2295, 46.9636



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

18.2691, 13.7352, 24.6099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4332, 17.2295, 46.9636 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(196, 47, 184)` looks like.

```
.text, #text, p{  
    color:rgb(196, 47, 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(196, 47, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 47, 184) }
```

Border

The CSS property to change the border of an element to XYZ 32.4332, 17.2295, 46.9636 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(196, 47, 184) }
```


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

```
.border{ border-color:rgb(196, 47, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 47, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 47, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 47, 184);  
box-shadow:4px 4px 4px 4px rgb(196, 47,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4332, 17.2295, 46.9636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 47, 184) }
```

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

```
.background{ background-color: rgb(196, 47,  
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](#).

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