

Converting Colors

XYZ(35.2798, 17.5462, 78.6192)

Have a look what the booklet for
XYZ(35.2798, 17.5462, 78.6192)
contains.

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Color

**XYZ(35.2007, 17.5246,
78.6181)**

Conversions

Conversions Part 1

Format	Color
Hex	B827E9
RGB	184, 39, 233
RGB Percent	72%, 15%, 91%
CMY	0.2784, 0.8470, 0.0863
CMYK	0.21, 0.83, 0.00, 0.09
HSL	285°, 82%, 53%
HSV	285°, 83%, 91%
XYZ	35.2007, 17.5246, 78.6181
YIQ	104.4710, 24.1460, 91.0740

Conversions

Conversions Part 2

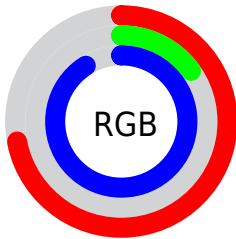
Format	Color
R_{YB}	184, 39, 233
Decimal	12068841
CIE _{Lab}	48.91, 79.26, -67.50
CIE _{LCh}	49, 104.112, 319.581
Yxy	17.5246, 0.2680, 0.1334
Android (android.graphics.Color)	4290258921 (0xFFB827E9)
YUV	104.4710, 63.3648, 69.7469
Hunter-Lab	41.8624, 76.8355, -82.0437

Details

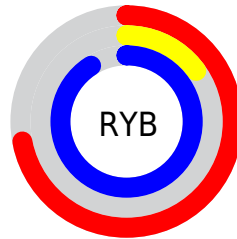
The XYZ color **35.2007, 17.5246, 78.6181** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **33.5301, 60.4994, 11.8303**, and the grayscale version is **13.1162, 13.7993, 15.0274**.

A 20% lighter version of the original color is **60.4098, 36.5562, 98.4799**, and **16.2939, 7.4946, 41.6621** is the 20% darker color. If you saturate the color by 10%, you get **33.2761, 15.7240, 78.3723**, and if you desaturate by 10%, it is **37.6545, 20.2944, 79.0237**.

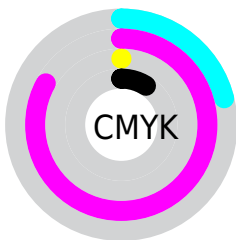
Distribution



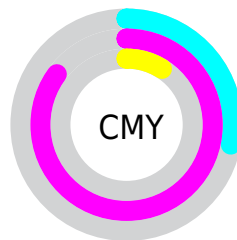
- Red (72%)
- Green (15%)
- Blue (91%)



- Red (72%)
- Yellow (15%)
- Blue (91%)



- Cyan (21%)
- Magenta (83%)
- Yellow (0%)
- Black (9%)





- Cyan (28%)
- Magenta (85%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2007, 17.5246, 78.6181 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 35.2007, 17.5246, 78.6181 by changing the saturation by 10% instead.


 35.2007, 17.5246,
78.6181


 35.2007, 17.5246,
78.6181


316.9458,
238.1776, 509.8469

 23.9848, 10.6092,
58.0624

 67.1285, 39.2256,
133.2149


 15.4470, 5.8047,
41.4438

 88.5712, 54.7799,
168.0930


 9.2220, 2.7267,
28.3437


 114.1534, 73.9828,
208.5824

 4.9446, 0.9908,
18.3436

 144.2405, 97.2185,
255.1016

 2.2492, 0.0000,
11.0250

 179.1980,
124.8714, 308.0691

 0.7685, 0.0000,
5.9693

219.3911,

 0.0000, 0.0000,

157.3260, 367.9034

2.7579

265.1853,
194.9666, 435.0232

■ 0.0000, 0.0000,
0.9724

■ 0.0000, 0.0000,
0.0000

■ 35.2007, 17.5246,
78.6181

■ 35.2007, 17.5246,
78.6181

■ 33.2761, 15.7240,
78.3723

■ 37.6545, 20.2944,
79.0237

■ 32.1973, 14.8992,
78.2700

■ 40.7102, 24.1812,
79.6129

■ 44.4311, 29.3091,
80.4066

■ 48.8711, 35.7852,
81.4226

■ 54.0784, 43.7046,
82.6767

■ 60.0967, 53.1541,
84.1834

■ 66.9662, 64.2131,
85.9560

■ 74.7246, 76.9558,
88.0067

■ 83.4069, 91.4516,
90.3470

Harmonies

Analogous

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



23.6972, 17.5246, 126.0692



35.2007, 17.5246, 78.6181



42.4519, 17.5246, 30.4227

Triad

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



35.2007, 17.5246, 78.6181



20.2506, 17.5246, 0.0000



4.5622, 17.5246, 43.0687

Complementary

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



35.2007, 17.5246, 78.6181



33.5301, 60.4994, 11.8303

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.



4.2457, 17.5246, 10.9802



35.2007, 17.5246, 78.6181



11.1701, 17.5246, 0.0000

Square

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



35.2007, 17.5246, 78.6181



31.8545, 17.5246, 0.3546



6.1325, 17.5246, 1.1927



7.2757, 17.5246, 95.1098

Rectangle

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



35.2007, 17.5246, 78.6181



42.5401, 17.5246, 11.5200



6.1325, 17.5246, 1.1927



4.2267, 17.5246, 29.3869

Sweetspot

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



35.2015, 17.5253, 78.6185



72.2977, 62.9238, 102.9427



19.2636, 13.7520, 78.7302



14.9060, 12.5721, 21.8910



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.



35.2015, 17.5253, 78.6185



39.4339, 18.2438, 96.0508



43.3786, 22.3945, 49.4635



15.3218, 15.1112, 19.0315



18.3892, 8.5159, 44.4175



1.5314, 0.7137, 3.4919

Inverse Universe

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



36.0917, 19.4797, 11.0909



42.1770, 21.6348, 6.8642



31.5868, 59.3538, 18.2349



15.2215, 15.1165, 16.4520



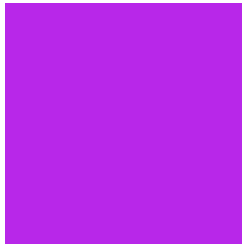
19.5556, 10.0249, 3.4611



1.5734, 0.8023, 0.4707

Previews

White Background



This preview shows how the XYZ color 35.2007, 17.5246, 78.6181 looks on a white background.

Color Contrast Check

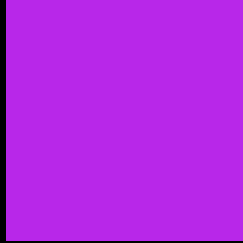
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.2007, 17.5246, 78.6181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

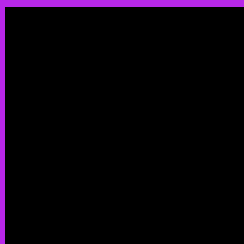
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.2007, 17.5246, 78.6181

Background



This preview shows how black text looks on a background with the XYZ color 35.2007, 17.5246, 78.6181.



This preview shows how white text looks on a background with the XYZ color 35.2007, 17.5246,

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

35.2007, 17.5246, 78.6181

Protanopia

21.3377, 17.9833, 83.2354

Deuteranopia

18.1054, 17.7971, 62.8025



Tritanopia

22.1986, 17.3646, 15.2784

Trichromacy



Original Color

35.2007, 17.5246, 78.6181



Protanomaly

20.7828, 13.9050, 80.9454



Deuteranomaly

18.6258, 13.5676, 67.9668



Tritanomaly

25.1152, 16.0372, 31.0499

Monochromacy



Original Color

35.2007, 17.5246, 78.6181



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

18.1274, 12.9582, 30.8239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2007, 17.5246, 78.6181 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(184, 39, 233)` looks like.

```
.text, #text, p{  
    color:rgb(184, 39, 233)  
}
```

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(184, 39, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 39, 233) }
```

Border

The CSS property to change the border of an element to XYZ 35.2007, 17.5246, 78.6181 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(184, 39, 233) }
```


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

```
.border{ border-color:rgb(184, 39, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 39, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 39, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 39, 233);  
box-shadow:4px 4px 4px 4px rgb(184, 39,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2007, 17.5246, 78.6181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 39, 233) }
```

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

```
.background{ background-color: rgb(184, 39,  
233) }
```

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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