

Converting Colors

XYZ(35.3265, 20.6464, 79.9652)

Have a look what the booklet for
XYZ(35.3265, 20.6464, 79.9652)
contains.

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Color

**XYZ(35.3265, 20.6464,
79.9652)**

Conversions

Conversions Part 1

Format	Color
Hex	AF4FEA
RGB	175, 79, 234
RGB Percent	69%, 31%, 92%
CMY	0.3137, 0.6902, 0.0824
CMYK	0.25, 0.66, 0.00, 0.08
HSL	277°, 79%, 61%
HSV	277°, 66%, 92%
XYZ	35.3265, 20.6464, 79.9652
YIQ	125.3740, 7.4610, 68.5570

Conversions

Conversions Part 2

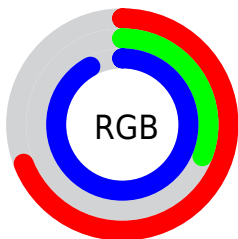
Format	Color
RYB	175, 79, 234
Decimal	11489258
CIELab	52.56, 63.97, -62.24
CIELCh	53, 89.254, 315.789
Yxy	20.6464, 0.2599, 0.1519
Android (android.graphics.Color)	4289679338 (0xFFAF4FEA)
YUV	125.3740, 53.5526, 43.5220
Hunter-Lab	45.4383, 59.2597, -72.5355

Details

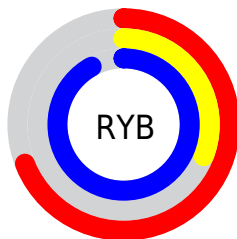
The XYZ color **35.3265, 20.6464, 79.9652** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **41.3156, 64.8138, 17.7303**, and the grayscale version is **19.4431, 20.4557, 22.2762**.

A 20% lighter version of the original color is **60.5068, 41.7626, 99.4797**, and **15.4428, 7.2979, 42.1897** is the 20% darker color. If you saturate the color by 10%, you get **31.9924, 16.8479, 79.4081**, and if you desaturate by 10%, it is **39.3880, 25.7018, 80.7273**.

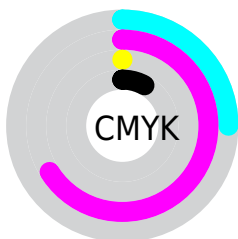
Distribution



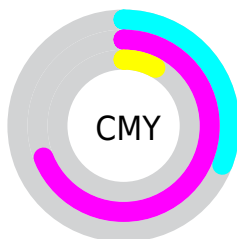
- Red (69%)
- Green (31%)
- Blue (92%)



- Red (69%)
- Yellow (31%)
- Blue (92%)



- Cyan (25%)
- Magenta (66%)
- Yellow (0%)
- Black (8%)





- Cyan (31%)
- Magenta (69%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3265, 20.6464, 79.9652 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 35.3265, 20.6464, 79.9652 by changing the saturation by 10% instead.


 35.3265, 20.6464,
79.9652


 35.3265, 20.6464,
79.9652


317.4900,
255.3933, 514.5192


 24.0822, 12.8658,
59.1637


 67.3220, 44.4983,
135.1278

 15.5197, 7.3362,
42.3240


 88.8038, 61.3384,
170.3259


 9.2736, 3.6732,
29.0276


 114.4289, 81.9670,
211.1601

 4.9786, 1.4925,
18.8560

 144.5625,
106.7687, 258.0487

 2.2693, 0.2834,
11.3905

 179.5701,
136.1278, 311.4104

 0.7789, 0.0000,
6.2127

219.8170,

 0.0000, 0.0000,

170.4286, 371.6637

2.9040

265.6685,
210.0557, 439.2271

■ 0.0000, 0.0000,
1.0458

■ 0.0000, 0.0000,
0.0000

■ 35.3265, 20.6464,
79.9652

■ 35.3265, 20.6464,
79.9652

■ 31.9924, 16.8479,
79.4081

■ 39.3880, 25.7018,
80.7273

■ 29.3150, 14.1717,
79.0327


■ 44.2326, 32.1252,
81.7118


■ 27.2108, 12.4539,
78.8120


■ 49.9133, 40.0176,
82.9358


■ 26.5165, 11.9541,
78.7521


■ 56.4771, 49.4699,
84.4143

 63.9672, 60.5652,
86.1611

 72.4241, 73.3807,
88.1891

 81.8853, 87.9888,
90.5101

 88.7079, 97.1000,
91.9091

 91.8514, 98.7205,
92.0562

Harmonies

Analogous

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



24.8702, 20.6464, 115.7067



35.3265, 20.6464, 79.9652



42.3992, 20.6464, 37.4422

Triad

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



35.3265, 20.6464, 79.9652



24.3205, 20.6464, 0.2866



7.0049, 20.6464, 39.3774

Complementary

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



35.3265, 20.6464, 79.9652



41.3156, 64.8138, 17.7303

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.



6.9414, 20.6464, 12.1533



35.3265, 20.6464, 79.9652



15.1725, 20.6464, 0.3310

Square

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



35.3265, 20.6464, 79.9652



34.8167, 20.6464, 2.1710



9.4391, 20.6464, 2.3864



9.6532, 20.6464, 82.2976

Rectangle

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



35.3265, 20.6464, 79.9652



43.1616, 20.6464, 17.7256



9.4391, 20.6464, 2.3864



6.7170, 20.6464, 28.0176

Sweetspot

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



35.3274, 20.6472, 79.9657



74.0982, 68.1681, 103.8601



27.2246, 25.9002, 81.4067



15.3118, 13.7792, 22.1026



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.



35.3274, 20.6472, 79.9657



37.7823, 19.3197, 96.3455



49.1120, 28.0384, 67.7333



15.1273, 15.0109, 19.0223



15.0451, 6.7919, 44.2610



1.2879, 0.5882, 3.4805

Inverse Universe

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



41.3155, 24.9198, 26.6771



46.5829, 25.4745, 23.6615



34.8093, 61.3730, 21.3417



15.3027, 15.1489, 16.8793



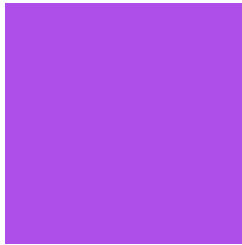
20.1393, 10.2584, 6.5348



1.6270, 0.8238, 0.7531

Previews

White Background



This preview shows how the XYZ color 35.3265, 20.6464, 79.9652 looks on a white background.

Color Contrast Check

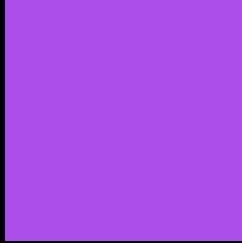
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.3265, 20.6464, 79.9652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

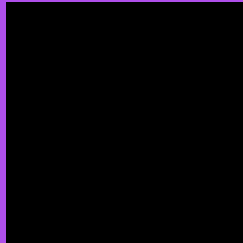
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.3265, 20.6464, 79.9652

Background



This preview shows how black text looks on a background with the XYZ color 35.3265, 20.6464, 79.9652.



This preview shows how white text looks on a background with the XYZ color 35.3265, 20.6464,

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

35.3265, 20.6464, 79.9652

Protanopia

25.1966, 21.0542, 97.3436

Deuteranopia

21.7618, 21.1076, 74.1614



Tritanopia

23.4348, 20.6079, 21.1549

Trichromacy



Original Color

35.3265, 20.6464, 79.9652



Protanomaly

25.0031, 18.6012, 90.2683



Deuteranomaly

22.9729, 18.5026, 75.7594



Tritanomaly

26.5744, 19.8442, 37.0800

Monochromacy



Original Color

35.3265, 20.6464, 79.9652



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

23.4818, 19.2814, 38.0814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3265, 20.6464, 79.9652 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(175, 79, 234)` looks like.

```
.text, #text, p{  
  color:rgb(175, 79, 234)  
}
```

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(175, 79, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 79, 234) }
```

Border

The CSS property to change the border of an element to XYZ 35.3265, 20.6464, 79.9652 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(175, 79, 234) }
```


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

```
.border{ border-color:rgb(175, 79, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 79, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 79, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 79, 234);  
box-shadow:4px 4px 4px 4px rgb(175, 79,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3265, 20.6464, 79.9652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 79, 234) }
```

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

```
.background{ background-color: rgb(175, 79,  
234) }
```

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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