

Converting Colors

XYZ(34.8651, 20.4016, 82.9045)

Have a look what the booklet for
XYZ(34.8651, 20.4016, 82.9045)
contains.

XYZ(34.8788, 20.4564, 82.9991)	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(34.8788, 20.4564,
82.9991)**

Conversions

Conversions Part 1

Format	Color
Hex	AA50EE
RGB	170, 80, 238
RGB Percent	67%, 31%, 93%
CMY	0.3333, 0.6863, 0.0667
CMYK	0.29, 0.66, 0.00, 0.07
HSL	274°, 82%, 62%
HSV	274°, 66%, 93%
XYZ	34.8788, 20.4564, 82.9991
YIQ	124.9220, 2.9220, 68.2180

Conversions

Conversions Part 2

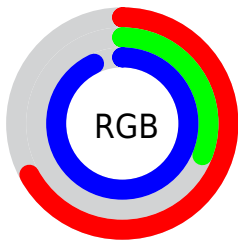
Format	Color
R_{YB}	170, 80, 238
Decimal	11161838
CIE _{Lab}	52.35, 63.36, -64.85
CIE _{LCh}	52, 90.667, 314.332
Yxy	20.4564, 0.2521, 0.1479
Android (android.graphics.Color)	4289351918 (0xFFAA50EE)
YUV	124.9220, 55.7475, 39.5334
Hunter-Lab	45.2288, 58.5025, -77.1427

Details

The XYZ color **34.8788, 20.4564, 82.9991** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **44.2355, 68.0245, 18.3885**, and the grayscale version is **19.2856, 20.2899, 22.0957**.

A 20% lighter version of the original color is **59.0271, 41.2060, 99.4502**, and **15.2555, 7.2467, 44.3108** is the 20% darker color. If you saturate the color by 10%, you get **31.3060, 16.4700, 82.4183**, and if you desaturate by 10%, it is **39.2428, 25.7668, 83.7945**.

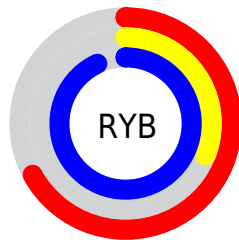
Distribution



Red (67%)

Green (31%)

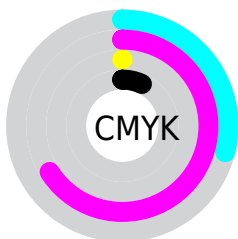
Blue (93%)



Red (67%)

Yellow (31%)

Blue (93%)

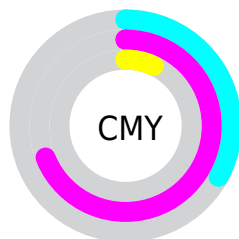


Cyan (29%)

Magenta (66%)

Yellow (0%)

Black (7%)



Cyan (33%)


Magenta (69%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8788, 20.4564, 82.9991 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 34.8788, 20.4564, 82.9991 by changing the saturation by 10% instead.


 34.8788, 20.4564,
82.9991


 34.8788, 20.4564,
82.9991


315.5504,
254.3753, 524.9544


 23.7356, 12.7272,
61.6488

 66.6332, 44.1811,
139.4234


 15.2613, 7.2410,
44.3150


 87.9752, 60.9453,
175.3345

 9.0905, 3.6133,
30.5792


 113.4474, 81.4901,
216.9363

 4.8578, 1.4597,
20.0229

 143.4153,
106.1998, 264.6473

 2.1980, 0.2601,
12.2274

 178.2442,
135.4587, 318.8861

 0.7417, 0.0000,
6.7744

218.2994,

 0.0000, 0.0000,

169.6514, 380.0712

3.2451

263.9464,
209.1621, 448.6211

■ 0.0000, 0.0000,
1.2211

■ 0.0000, 0.0000,
0.0000

■ 34.8788, 20.4564,
82.9991

■ 34.8788, 20.4564,
82.9991

■ 31.3060, 16.4700,
82.4183

■ 39.2428, 25.7668,
83.7945

■ 28.4491, 13.6662,
82.0277


■ 44.4576, 32.5181,
84.8228


■ 26.2194, 11.8724,
81.7990


■ 50.5795, 40.8165,
86.1019


■ 25.5167, 11.3716,
81.7394


■ 57.6588, 50.7571,
87.6475

 65.7417, 62.4275,
89.4741

 74.8714, 75.9087,
91.5950

 85.0882, 91.2767,
94.0229

 91.3179, 98.3784,
95.0653

 92.4327, 98.9531,
95.1175

Harmonies

Analogous

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



24.2338, 20.4564, 118.4411



34.8788, 20.4564, 82.9991



42.3546, 20.4564, 39.2427

Triad

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



34.8788, 20.4564, 82.9991



24.7053, 20.4564, 0.2069



6.7213, 20.4564, 37.5769

Complementary

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



34.8788, 20.4564, 82.9991



44.2355, 68.0245, 18.3885

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.



6.7748, 20.4564, 11.0743



34.8788, 20.4564, 82.9991



15.3296, 20.4564, 0.1687

Square

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



34.8788, 20.4564, 82.9991



35.3178, 20.4564, 2.2014



9.4032, 20.4564, 2.0250



9.2219, 20.4564, 80.9773

Rectangle

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



34.8788, 20.4564, 82.9991



43.3979, 20.4564, 18.6118



9.4032, 20.4564, 2.0250



6.4745, 20.4564, 26.3866

Sweetspot

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



34.8797, 20.4571, 82.9996



73.2638, 67.7380, 103.8211



29.4047, 29.2057, 84.9768



15.1114, 13.6759, 22.0932



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.



34.8797, 20.4571, 82.9996



35.2134, 17.8254, 96.1924



52.0587, 29.4868, 75.9594



15.7592, 15.6731, 19.9162



14.3868, 6.4221, 45.6092



1.3106, 0.5929, 3.7996

Inverse Universe

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



43.4742, 26.0531, 30.7544



47.0691, 25.4858, 26.7863



35.7515, 63.6023, 20.1850



16.0552, 15.8718, 17.8469



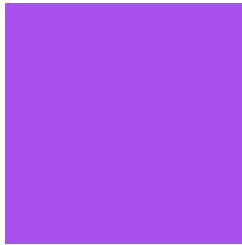
21.0833, 10.7058, 8.3554



1.8029, 0.9102, 0.9527

Previews

White Background



This preview shows how the XYZ color 34.8788, 20.4564, 82.9991 looks on a white background.

Color Contrast Check

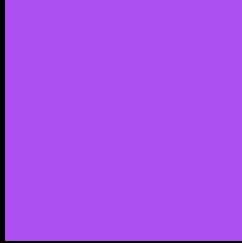
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8788, 20.4564, 82.9991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

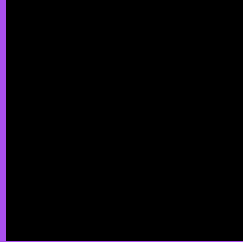
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.8788, 20.4564, 82.9991

Background



This preview shows how black text looks on a background with the XYZ color 34.8788, 20.4564, 82.9991.



This preview shows how white text looks on a background with the XYZ color 34.8788, 20.4564,

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

34.8788, 20.4564, 82.9991

Protanopia

25.0390, 20.9729, 97.3362

Deuteranopia

21.1800, 20.6150, 74.0969



Tritanopia

22.3465, 20.2007, 21.7901

Trichromacy



Original Color

34.8788, 20.4564, 82.9991



Protanomaly

24.7072, 18.4128, 91.8744



Deuteranomaly

21.8455, 17.8892, 77.1645



Tritanomaly

25.4475, 19.3875, 37.9982

Monochromacy



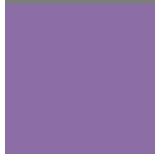
Original Color

34.8788, 20.4564, 82.9991



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

23.3361, 19.3532, 38.5820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8788, 20.4564, 82.9991 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(170, 80, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 80, 238)  
}
```

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(170, 80, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 80, 238) }
```

Border

The CSS property to change the border of an element to XYZ 34.8788, 20.4564, 82.9991 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(170, 80, 238) }
```


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

```
.border{ border-color:rgb(170, 80, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 80, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 80, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 80, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 80,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8788, 20.4564, 82.9991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 80, 238) }
```

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

```
.background{ background-color: rgb(170, 80,  
238) }
```

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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