

Converting Colors

XYZ(34.5577, 20.8030, 86.1467)

Have a look what the booklet for
XYZ(34.5577, 20.8030, 86.1467)
contains.

XYZ(34.5854, 20.8003, 86.1964)	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(34.5854, 20.8003,
86.1964)**

Conversions

Conversions Part 1

Format	Color
Hex	A455F2
RGB	164, 85, 242
RGB Percent	64%, 33%, 95%
CMY	0.3568, 0.6667, 0.0510
CMYK	0.32, 0.65, 0.00, 0.05
HSL	270°, 86%, 64%
HSV	270°, 65%, 95%
XYZ	34.5854, 20.8003, 86.1964
YIQ	126.5190, -3.3130, 65.5750

Conversions

Conversions Part 2

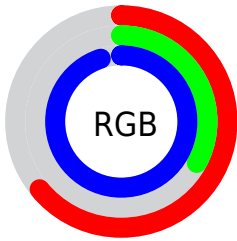
Format	Color
R _Y B	164, 85, 242
Decimal	10769906
CIE Lab	52.73, 60.71, -66.51
CIE LCh	53, 90.055, 312.388
Yxy	20.8003, 0.2443, 0.1469
Android (android.graphics.Color)	4288959986 (0xFFA455F2)
YUV	126.5190, 56.9321, 32.8708
Hunter-Lab	45.6073, 55.5490, -80.1310

Details

The XYZ color **34.5854, 20.8003, 86.1964** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **48.4960, 71.9468, 19.9258**, and the grayscale version is **19.8215, 20.8538, 22.7098**.

A 20% lighter version of the original color is **57.7140, 41.3732, 99.5517**, and **15.1402, 7.4457, 46.5381** is the 20% darker color. If you saturate the color by 10%, you get **30.6307, 16.4008, 85.5561**, and if you desaturate by 10%, it is **39.4277, 26.6244, 87.0658**.

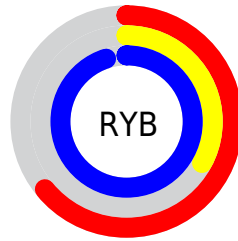
Distribution



Red (64%)

Green (33%)

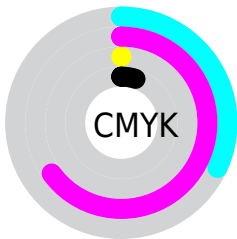
Blue (95%)



Red (64%)

Yellow (33%)

Blue (95%)

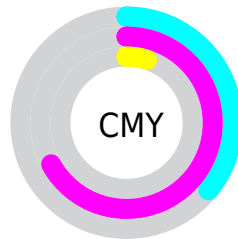


Cyan (32%)

Magenta (65%)

Yellow (0%)

Black (5%)



Cyan (36%)


Magenta (67%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5854, 20.8003, 86.1964 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 34.5854, 20.8003, 86.1964 by changing the saturation by 10% instead.

 34.5854, 20.8003,
86.1964


 34.5854, 20.8003,
86.1964


314.2747,
256.2153, 535.8261


 23.5087, 12.9781,
64.2746

 66.1812, 44.7549,
143.9325


 15.0923, 7.4135,
46.4255


 87.4311, 61.6562,
180.5838

 8.9709, 3.7220,
32.2306


 112.8027, 82.3526,
222.9821

 4.7792, 1.5193,
21.2714

 142.6615,
107.2285, 271.5458

 2.1517, 0.3023,
13.1294

177.3727,
136.6683, 326.6935

 0.7171, 0.0000,
7.3859

217.3017,

 0.0000, 0.0000,

171.0564, 388.8438

3.6225

262.8139,
210.7773, 458.4151

■ 0.0000, 0.0000,
1.4206

■ 0.0000, 0.0000,
0.1577

■ 34.5854, 20.8003,
86.1964

■ 34.5854, 20.8003,
86.1964

■ 30.6307, 16.4008,
85.5561

■ 39.4277, 26.6244,
87.0658

■ 27.4846, 13.2812,
85.1197

■ 45.2208, 33.9937,
88.1829

■ 25.0560, 11.2679,
84.8591

■ 52.0247, 43.0182,
89.5661

■ 24.0213, 10.5320,
84.7716

■ 59.8930, 53.7967,
91.2319

68.8755, 66.4203,
93.1951

79.0184, 80.9737,
95.4696

90.3654, 97.5360,
98.0684

93.0271, 99.1908,
98.2475

Harmonies

Analogous

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



23.8956, 20.8003, 119.7761



34.5854, 20.8003, 86.1964



42.4139, 20.8003, 42.1386

Triad

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



34.5854, 20.8003, 86.1964



25.7423, 20.8003, 0.3552



6.8715, 20.8003, 35.6294

Complementary

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



34.5854, 20.8003, 86.1964



48.4960, 71.9468, 19.9258

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.



7.0839, 20.8003, 10.3420



34.5854, 20.8003, 86.1964



16.1490, 20.8003, 0.2067

Square

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



34.5854, 20.8003, 86.1964



36.2999, 20.8003, 2.6268



9.9363, 20.8003, 1.9122



9.2198, 20.8003, 78.3364

Rectangle

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



34.5854, 20.8003, 86.1964



43.8086, 20.8003, 20.5639



9.9363, 20.8003, 1.9122



6.6736, 20.8003, 24.8683

Sweetspot

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



34.5864, 20.8010, 86.1969



73.1864, 68.6052, 103.9925



32.9599, 34.7149, 88.9683



15.0487, 13.8197, 22.1243



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.



34.5864, 20.8010, 86.1969



33.2155, 17.1446, 96.1663



55.8939, 31.7854, 87.1941



15.6553, 15.6195, 19.9114



13.0623, 5.7393, 45.5472



1.2015, 0.5366, 3.7945

Inverse Universe

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



46.4775, 28.0189, 37.6081



48.5681, 26.4617, 33.5199



37.1385, 66.0919, 19.3943



16.1002, 15.8898, 18.0841



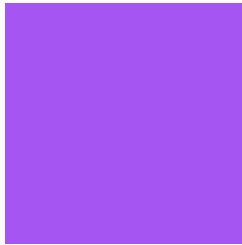
21.5690, 10.9000, 10.9127



1.8445, 0.9269, 1.1722

Previews

White Background



This preview shows how the XYZ color 34.5854, 20.8003, 86.1964 looks on a white background.

Color Contrast Check

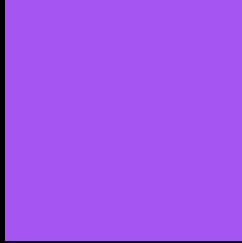
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5854, 20.8003, 86.1964 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 34.5854, 20.8003, 86.1964

Background



This preview shows how black text looks on a background with the XYZ color 34.5854, 20.8003, 86.1964.

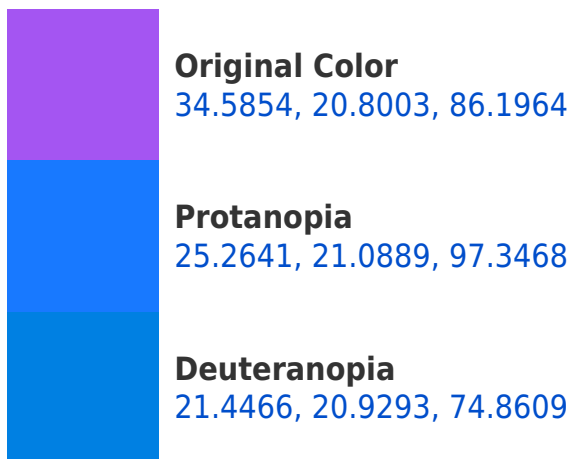


This preview shows how white text looks on a background with the XYZ color 34.5854, 20.8003,

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





Tritanopia

21.8870, 20.6183, 23.5950

Trichromacy



Original Color

34.5854, 20.8003, 86.1964



Protanomaly

25.5195, 19.1231, 92.7886



Deuteranomaly

22.2231, 18.3752, 78.7194



Tritanomaly

25.2759, 19.9970, 40.5578

Monochromacy



Original Color

34.5854, 20.8003, 86.1964



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

23.7708, 20.0284, 40.1491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5854, 20.8003, 86.1964 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(164, 85, 242)` looks like.

```
.text, #text, p{  
    color:rgb(164, 85, 242)  
}
```

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(164, 85, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 85, 242) }
```

Border

The CSS property to change the border of an element to XYZ 34.5854, 20.8003, 86.1964 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(164, 85, 242) }
```


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

```
.border{ border-color:rgb(164, 85, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 85, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 85, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 85, 242);  
box-shadow:4px 4px 4px 4px rgb(164, 85,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5854, 20.8003, 86.1964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 85, 242) }
```

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

```
.background{ background-color: rgb(164, 85,  
242) }
```

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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