

Converting Colors

XYZ(78.8228, 89.6984, 35.1965)

Have a look what the booklet for
XYZ(78.8228, 89.6984, 35.1965)
contains.

XYZ(78.7344, 89.4750, 35.3110)	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(78.7344, 89.4750,
35.3110)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF785
RGB	255, 247, 133
RGB Percent	100%, 97%, 52%
CMY	0.0000, 0.0313, 0.4784
CMYK	0.00, 0.03, 0.48, 0.00
HSL	56°, 100%, 76%
HSV	56°, 48%, 100%
XYZ	78.7344, 89.4750, 35.3110
YIQ	236.3960, 41.3620, -33.7580

Conversions

Conversions Part 2

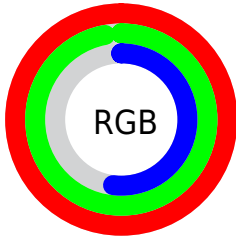
Format	Color
R_{YB}	142, 255, 133
Decimal	16775045
CIE _{Lab}	95.78, -12.22, 55.31
CIE _{LCh}	96, 56.647, 102.459
Yxy	89.4750, 0.3869, 0.4396
Android (android.graphics.Color)	4294965125 (0xFFFFF785)
YUV	236.3960, -50.9742, 16.3157
Hunter-Lab	94.5912, -16.9575, 44.0808

Details

The XYZ color **78.7344, 89.4750, 35.3110** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.2476, 31.2554, 98.6772**, and the grayscale version is **80.3909, 84.5774, 92.1048**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **42.8437, 49.5766, 14.9005** is the 20% darker color. If you saturate the color by 10%, you get **76.6744, 87.8404, 26.9629**, and if you desaturate by 10%, it is **81.2309, 91.2980, 45.9163**.

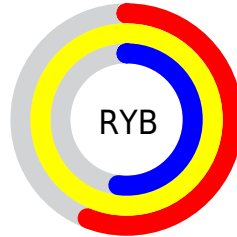
Distribution



Red (100%)

Green (97%)

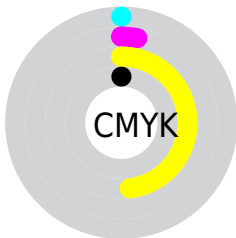
Blue (52%)



Red (56%)

Yellow (100%)

Blue (52%)

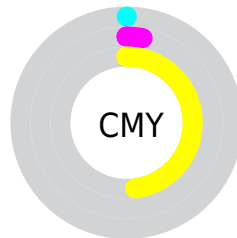


Cyan (0%)

Magenta (3%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.7344, 89.4750, 35.3110 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 78.7344, 89.4750, 35.3110 by changing the saturation by 10% instead.


 78.7344, 89.4750,
35.3110


 78.7344, 89.4750,
35.3110


479.4591,
526.3216, 340.8848


 58.9823, 67.5453,
23.6171


 130.5448,
146.6089, 69.1243

 42.8452, 49.5279,
14.8402


 163.3338,
182.5819, 92.0808

 29.9577, 35.0384,
8.5620


 201.1992,
224.0049, 119.6285

 19.9544, 23.6925,
4.3637

244.5063,
271.2620, 152.1860

 12.4700, 15.1057,
1.8269

293.6205,
324.7379, 190.1718

 7.1391, 8.8936,
0.4456

348.9071,

 3.5963, 4.6718,

384.8169, 234.0046

0.0000

410.7316,
451.8833, 284.1027

■ 1.4764, 2.0560,
0.0000

■ 0.3097, 0.6397,
0.0000

■ 78.7344, 89.4750,
35.3110

■ 78.7344, 89.4750,
35.3110

■ 76.6744, 87.8404,
26.9629

■ 81.2309, 91.2980,
45.9163

■ 75.0131, 86.3693,
20.7007

■ 84.1858, 93.3085,
58.9225

■ 73.7166, 85.0515,
16.3376

■ 87.6272, 95.5210,
74.4677

■ 72.7428, 83.8700,
13.6511

■ 91.5791, 97.9450,
92.6782

■ 72.0351, 82.8022, 95.0499, 99.9999,
12.3438 108.9000

■ 71.8997, 82.5796,
12.1499

Harmonies

Analogous

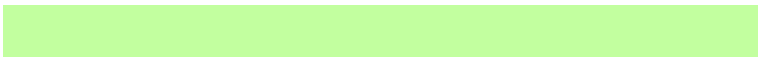
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4078, 89.4750, 36.3226



78.7344, 89.4750, 35.3110



66.3583, 89.4750, 46.7945

Triad

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



78.7344, 89.4750, 35.3110



64.7773, 89.4750, 167.6851



116.9713, 89.4750, 125.6754

Complementary

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



78.7344, 89.4750, 35.3110



37.2476, 31.2554, 98.6772

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.



106.9427, 89.4750, 175.5392



78.7344, 89.4750, 35.3110



76.3195, 89.4750, 204.4387

Square

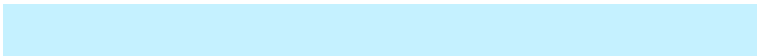
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7344, 89.4750, 35.3110



58.9872, 89.4750, 117.1577



91.6805, 89.4750, 207.6867



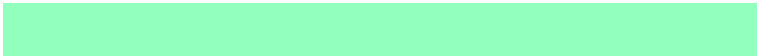
117.8247, 89.4750, 80.0392

Rectangle

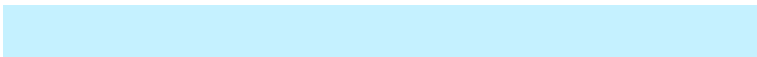
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7344, 89.4750, 35.3110



61.1223, 89.4750, 62.8553



91.6805, 89.4750, 207.6867



114.5098, 89.4750, 142.7879

Sweetspot

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



78.7366, 89.4791, 35.3128



89.0841, 96.4270, 81.1421



54.4457, 39.9630, 30.0966



18.8906, 20.5296, 16.5550



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.



78.7366, 89.4791, 35.3128



76.8324, 87.9720, 27.5829



64.3873, 85.7886, 35.3568



19.4533, 20.8748, 19.1483



37.6128, 43.2368, 6.3631



3.6917, 4.2688, 0.6294

Inverse Universe

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



37.2476, 31.2554, 98.6772



31.0544, 23.7474, 97.5547



46.6557, 34.4186, 98.7918



17.0985, 17.5687, 22.7399



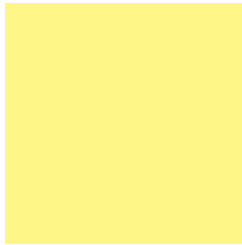
9.5695, 4.0486, 49.7117



0.9636, 0.4580, 4.8509

Previews

White Background



This preview shows how the XYZ color 78.7344, 89.4750, 35.3110 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 78.7344, 89.4750, 35.3110 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 ✓ Pass

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

XYZ 78.7344, 89.4750, 35.3110

Background



This preview shows how black text looks on a background with the XYZ color 78.7344, 89.4750, 35.3110.

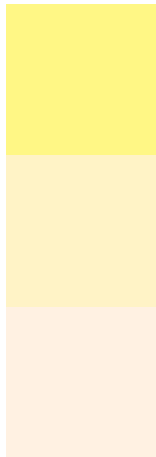


This preview shows how white text looks on a background with the XYZ color 78.7344, 89.4750,

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

78.7344, 89.4750, 35.3110

Protanopia

83.4836, 89.4384, 66.2894

Deuteranopia

86.4228, 89.6616, 84.7030



Tritanopia

88.6030, 89.1245, 100.5285

Trichromacy



Original Color

78.7344, 89.4750, 35.3110



Protanomaly

81.2307, 89.0174, 52.9452



Deuteranomaly

82.8050, 89.1670, 62.7158



Tritanomaly

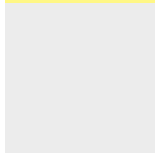
83.8359, 88.6268, 71.0806

Monochromacy



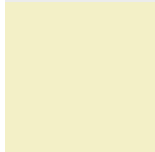
Original Color

78.7344, 89.4750, 35.3110



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

78.4310, 85.4984, 66.4019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7344, 89.4750, 35.3110 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(255, 247, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 133)  
}
```

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(255, 247, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 133) }
```

Border

The CSS property to change the border of an element to XYZ 78.7344, 89.4750, 35.3110 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(255, 247, 133) }
```


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

```
.border{ border-color:rgb(255, 247, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7344, 89.4750, 35.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 133) }
```

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

```
.background{ background-color: rgb(255,  
247, 133) }
```

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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