

Converting Colors

XYZ(65.4311, 76.4417, 34.5069)

Have a look what the booklet for
XYZ(65.4311, 76.4417, 34.5069)
contains.

XYZ(65.5778, 76.5494, 34.6117)	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(65.5778, 76.5494,
34.6117)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E988
RGB	228, 233, 136
RGB Percent	89%, 91%, 53%
CMY	0.1059, 0.0863, 0.4667
CMYK	0.02, 0.00, 0.42, 0.09
HSL	63°, 69%, 72%
HSV	63°, 42%, 91%
XYZ	65.5778, 76.5494, 34.6117
YIQ	220.4470, 28.1570, -31.2270

Conversions

Conversions Part 2

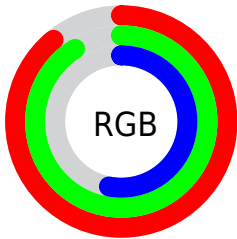
Format	Color
R_{YB}	136, 233, 141
Decimal	15001992
CIE _{Lab}	90.11, -15.57, 46.46
CIE _{LCh}	90, 48.999, 108.527
Y _{xy}	76.5494, 0.3710, 0.4331
Android (android.graphics.Color)	4293192072 (0xFFE4E988)
YUV	220.4470, -41.6324, 6.6240
Hunter-Lab	87.4925, -19.3217, 37.7899

Details

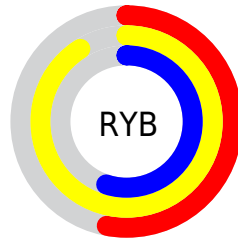
The XYZ color **65.5778, 76.5494, 34.6117** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.4993, 29.1561, 80.9047**, and the grayscale version is **68.6099, 72.1829, 78.6072**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **34.1170, 40.7423, 14.4534** is the 20% darker color. If you saturate the color by 10%, you get **63.7193, 75.7648, 26.8007**, and if you desaturate by 10%, it is **67.8027, 77.4863, 44.3218**.

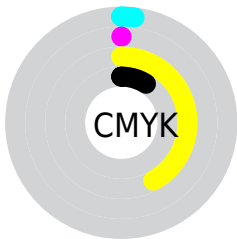
Distribution



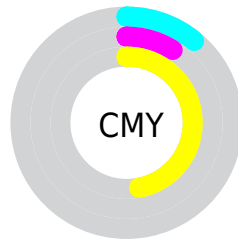
- Red (89%)
- Green (91%)
- Blue (53%)



- Red (53%)
- Yellow (91%)
- Blue (55%)



- Cyan (2%)
- Magenta (0%)
- Yellow (42%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.5778, 76.5494, 34.6117 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 65.5778, 76.5494, 34.6117 by changing the saturation by 10% instead.

65.5778, 76.5494,
34.6117

65.5778, 76.5494,
34.6117

434.3779,
483.2263, 337.7031

48.1962, 56.8831,
23.0828

111.9412,
128.5032, 68.0285

34.1942, 40.9114,
14.4488

141.6538,
161.5595, 90.7535

23.2064, 28.2499,
8.2911

176.2073,
199.8480, 118.0475

14.8675, 18.5141,
4.1914

215.9673,
243.7530, 150.3292

8.8122, 11.3197,
1.7309

261.2989,
293.6590, 188.0171

4.6750, 6.2823,
0.3818

312.5677,

2.0906, 3.0175,

349.9502, 231.5297

0.0000

370.1389,
413.0112, 281.2855

0.6841, 1.1409,
0.0000

0.0000, 0.0126,
0.0000

65.5778, 76.5494,
34.6117

65.5778, 76.5494,
34.6117

63.7193, 75.7648,
26.8007

67.8027, 77.4863,
44.3218

62.1979, 75.1126,
20.7598


70.4099, 78.5737,
56.0391


60.9893, 74.5859,
16.3519


73.4210, 79.8230,
69.8694


60.0631, 74.1724,
13.4174


76.8544, 81.2415,
85.9095


 59.3830, 73.8577,
11.7648


 80.7273, 82.8361,
104.2503

 58.9538, 73.6505,
11.1088

 81.5225, 83.2000,
106.3702

 81.9214, 83.4056,
106.3889

 82.3229, 83.6126,
106.4077

 82.7272, 83.8210,
106.4266

Harmonies

Analogous

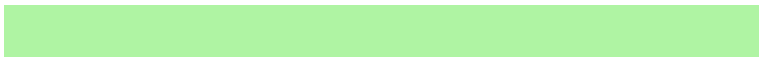
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5087, 76.5494, 33.4381



65.5778, 76.5494, 34.6117



56.6062, 76.5494, 46.4001

Triad

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



65.5778, 76.5494, 34.6117



58.3447, 76.5494, 144.2690



98.1641, 76.5494, 97.3915

Complementary

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



65.5778, 76.5494, 34.6117



34.4993, 29.1561, 80.9047

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.



91.7223, 76.5494, 136.0312



65.5778, 76.5494, 34.6117



68.2053, 76.5494, 167.7121

Square

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



65.5778, 76.5494, 34.6117



52.7624, 76.5494, 106.4910



80.4439, 76.5494, 164.3358



97.2576, 76.5494, 63.8294

Rectangle

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



65.5778, 76.5494, 34.6117



53.0949, 76.5494, 61.1599



80.4439, 76.5494, 164.3358



96.7596, 76.5494, 110.3454

Sweetspot

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



65.5797, 76.5529, 34.6133



89.9303, 97.8853, 84.9597



47.5535, 38.1087, 28.1429



19.1394, 20.9062, 17.6787



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.



65.5797, 76.5529, 34.6133



78.4840, 93.0987, 34.0833



52.3267, 69.7207, 33.9931



16.2707, 17.5851, 16.0554



33.4830, 41.8056, 6.3045



2.6528, 3.2949, 0.4962

Inverse Universe

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



34.4993, 29.1561, 80.9047



35.5483, 27.6031, 98.0621



44.5877, 34.3568, 81.3768



14.3031, 14.5860, 18.9838



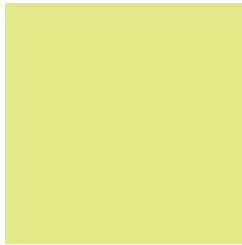
8.4626, 3.3985, 43.9529



0.6899, 0.2800, 3.4526

Previews

White Background



This preview shows how the XYZ color 65.5778, 76.5494, 34.6117 looks on a white background.

Color Contrast Check

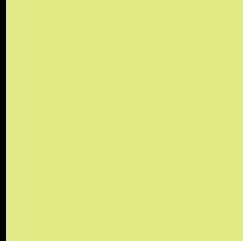
Large Text (above 18pt) WCAG AA × Fail

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 65.5778, 76.5494, 34.6117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

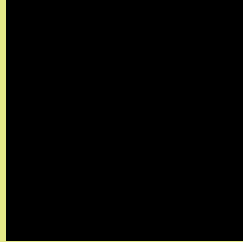
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.5778, 76.5494, 34.6117

Background



This preview shows how black text looks on a background with the XYZ color 65.5778, 76.5494, 34.6117.

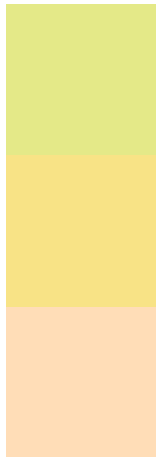


This preview shows how white text looks on a background with the XYZ color 65.5778, 76.5494,

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

65.5778, 76.5494, 34.6117

Protanopia

70.4836, 76.6159, 33.6277

Deuteranopia

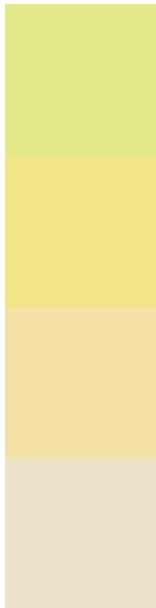
75.6437, 76.3918, 55.5580



Tritanopia

77.2242, 76.4112, 91.5676

Trichromacy



Original Color

65.5778, 76.5494, 34.6117

Protanomaly

68.6681, 76.4887, 34.0663

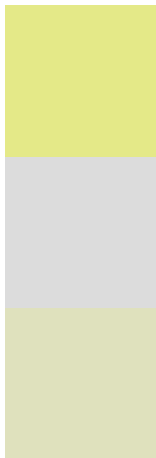
Deuteranomaly

71.4643, 76.0161, 46.9824

Tritanomaly

72.0599, 75.9003, 66.1106

Monochromacy



Original Color

65.5778, 76.5494, 34.6117

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.5419, 73.2125, 58.7684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5778, 76.5494, 34.6117 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(228, 233, 136)` looks like.

```
.text, #text, p{  
    color:rgb(228, 233, 136)  
}
```

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(228, 233, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 233, 136) }
```

Border

The CSS property to change the border of an element to XYZ 65.5778, 76.5494, 34.6117 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(228, 233, 136) }
```


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

```
.border{ border-color:rgb(228, 233, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 233, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 233, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 233, 136);  
box-shadow:4px 4px 4px 4px rgb(228, 233,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5778, 76.5494, 34.6117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 233, 136) }
```

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

```
.background{ background-color: rgb(228,  
233, 136) }
```

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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