

# Converting Colors

XYZ(65.2346, 78.7355, 19.0901)

Have a look what the booklet for  
XYZ(65.2346, 78.7355, 19.0901)  
contains.

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# Color

**XYZ(65.2645, 78.8694,  
19.1806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8EE4F
RGB	232, 238, 79
RGB Percent	91%, 93%, 31%
CMY	0.0902, 0.0666, 0.6902
CMYK	0.03, 0.00, 0.67, 0.07
HSL	62°, 82%, 62%
HSV	62°, 67%, 93%
XYZ	65.2645, 78.8694, 19.1806
YIQ	218.0800, 47.4630, -50.7210

# Conversions

## Conversions Part 2

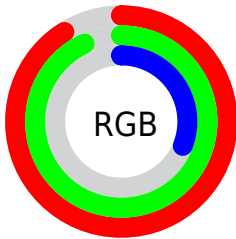
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	79, 238, 85
Decimal	15265359
CIE <sub>Lab</sub>	91.18, -20.85, 72.67
CIE <sub>LCh</sub>	91, 75.601, 106.008
Yxy	78.8694, 0.3996, 0.4829
Android (android.graphics.Color)	4293455439 (0xFFE8EE4F)
YUV	218.0800, -68.5664, 12.2078
Hunter-Lab	88.8084, -24.2368, 49.3606

# Details

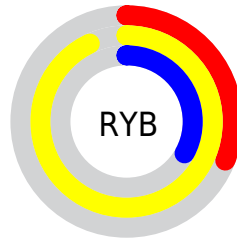
The XYZ color **65.2645, 78.8694, 19.1806** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **21.9773, 13.6980, 82.3795**, and the grayscale version is **67.1330, 70.6292, 76.9152**.

A 20% lighter version of the original color is **81.4439, 94.5576, 37.2514**, and **33.9615, 42.3401, 6.3825** is the 20% darker color. If you saturate the color by 10%, you get **64.2582, 78.4362, 15.3931**, and if you desaturate by 10%, it is **66.5860, 79.4347, 24.6039**.

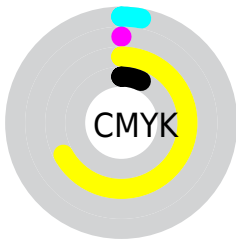
# Distribution



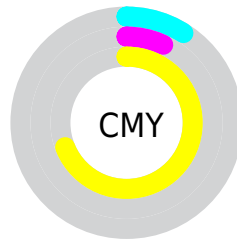
- Red (91%)
- Green (93%)
- Blue (31%)



- Red (31%)
- Yellow (93%)
- Blue (33%)



- Cyan (3%)
- Magenta (0%)
- Yellow (67%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2645, 78.8694, 19.1806 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 65.2645, 78.8694, 19.1806 by changing the saturation by 10% instead.



65.2645, 78.8694,  
19.1806

65.2645, 78.8694,  
19.1806

433.2721,  
491.1144, 259.8998

47.9411, 58.7884,  
11.6227

111.4936,  
131.7750, 42.8798

33.9913, 42.4428,  
6.3679

141.1301,  
165.3684, 59.8582

23.0498, 29.4482,  
2.9977

175.6015,  
204.2348, 80.8139

14.7512, 19.4201,  
1.0935

215.2734,  
248.7584, 106.1653

8.7301, 11.9743,  
0.0000

260.5111,  
299.3239, 136.3311

4.6213, 6.7261,  
0.0000

311.6798,

2.0593, 3.2914,

356.3154, 171.7297

0.0000

369.1450,  
420.1174, 212.7798

0.6669, 1.2857,  
0.0000

0.0000, 0.1301,  
0.0000

65.2645, 78.8694,  
19.1806

65.2645, 78.8694,  
19.1806

64.2582, 78.4362,  
15.3931

66.5860, 79.4347,  
24.6039

63.5267, 78.1101,  
13.0529


68.2468, 80.1330,  
31.8147


63.0275, 77.8771,  
11.9282


70.2752, 80.9785,  
40.9528


62.8941, 77.8132,  
11.7046


72.6947, 81.9807,  
52.1430

 75.5271, 83.1481,  
65.4996

 78.7925, 84.4890,  
81.1282

 82.5096, 86.0107,  
99.1279

 84.2881, 86.7571,  
106.9111

 84.5928, 86.9141,  
106.9253

# Harmonies

## Analogous

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



84.2181, 78.8694, 18.8293



65.2645, 78.8694, 19.1806



51.4800, 78.8694, 31.4999

# Triad

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



65.2645, 78.8694, 19.1806



52.1963, 78.8694, 186.2176



116.6459, 78.8694, 113.9637

# Complementary

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



65.2645, 78.8694, 19.1806



21.9773, 13.6980, 82.3795

# 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.



104.6810, 78.8694, 181.8570



65.2645, 78.8694, 19.1806



66.4121, 78.8694, 234.1273

# Square

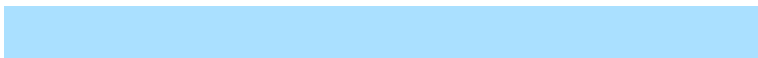
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.2645, 78.8694, 19.1806



44.8596, 78.8694, 118.3464



85.5776, 78.8694, 232.2584



116.1963, 78.8694, 59.9638



# Rectangle

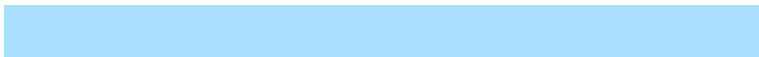
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.2645, 78.8694, 19.1806



46.1156, 78.8694, 49.7523



85.5776, 78.8694, 232.2584



113.8649, 78.8694, 136.2574

# Sweetspot

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



65.2663, 78.8730, 19.1822



87.1938, 96.7760, 71.2108



39.8676, 25.1310, 10.1476



18.4621, 20.6312, 14.2940



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.



65.2663, 78.8730, 19.1822



74.8187, 91.5865, 16.8666



45.1636, 68.5097, 18.2414



17.0604, 18.4268, 16.8073



35.1124, 43.4227, 6.5308



2.9393, 3.6218, 0.5442



# Inverse Universe

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



21.9773, 13.6980, 82.3795



21.0201, 10.5085, 95.5282



33.4997, 19.6380, 82.9187



14.9525, 15.2572, 19.8785



8.6967, 3.4887, 45.3429

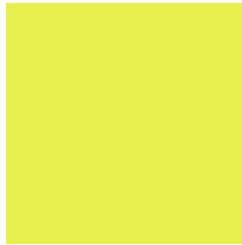


0.7428, 0.3002, 3.7730



# Previews

## White Background



This preview shows how the XYZ color 65.2645, 78.8694, 19.1806 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 65.2645, 78.8694, 19.1806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

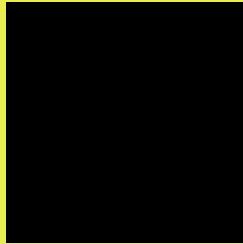
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.2645, 78.8694, 19.1806

## Background



This preview shows how black text looks on a background with the XYZ color 65.2645, 78.8694, 19.1806.



This preview shows how white text looks on a background with the XYZ color 65.2645, 78.8694,



# 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

65.2645, 78.8694, 19.1806

### Protanopia

71.6945, 78.7167, 22.7244

### Deuteranopia

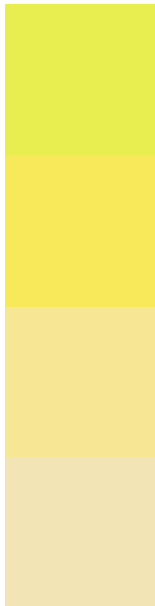
77.0281, 78.6556, 57.5766



## Tritanopia

80.4736, 78.8408, 93.4145

# Trichromacy



## Original Color

65.2645, 78.8694, 19.1806

## Protanomaly

69.3421, 78.7902, 21.2262

## Deuteranomaly

71.9210, 78.4744, 38.9602

## Tritanomaly

72.7018, 77.7002, 54.8819

# Monochromacy



## Original Color

65.2645, 78.8694, 19.1806

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

64.3317, 72.3284, 47.1294

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.2645, 78.8694, 19.1806 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(232, 238, 79)` looks like.

```
.text, #text, p{  
    color:rgb(232, 238, 79)  
}
```

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(232, 238, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 238, 79) }
```

## Border

The CSS property to change the border of an element to XYZ 65.2645, 78.8694, 19.1806 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(232, 238, 79) }
```



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

```
.border{ border-color:rgb(232, 238, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 238, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 238, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 238, 79);  
box-shadow:4px 4px 4px 4px rgb(232, 238,  
79) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.2645, 78.8694, 19.1806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 238, 79) }
```

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

```
.background{ background-color: rgb(232,  
238, 79) }
```

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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