

Converting Colors

XYZ(65.7811, 76.9347, 22.1146)

Have a look what the booklet for
XYZ(65.7811, 76.9347, 22.1146)
contains.

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Color

**XYZ(65.7965, 76.9369,
22.2089)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE95F
RGB	236, 233, 95
RGB Percent	93%, 91%, 37%
CMY	0.0745, 0.0862, 0.6274
CMYK	0.00, 0.01, 0.60, 0.07
HSL	59°, 79%, 65%
HSV	59°, 60%, 93%
XYZ	65.7965, 76.9369, 22.2089
YIQ	218.1650, 46.0860, -42.2820

Conversions

Conversions Part 2

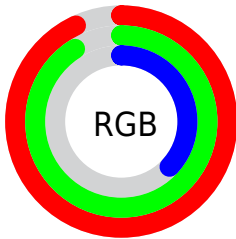
Format	Color
R _Y B	98, 236, 95
Decimal	15526239
CIE Lab	90.29, -15.85, 65.53
CIE LCh	90, 67.423, 103.596
Yxy	76.9369, 0.3989, 0.4664
Android (android.graphics.Color)	4293716319 (0xFFECE95F)
YUV	218.1650, -60.7203, 15.6413
Hunter-Lab	87.7137, -19.6011, 46.3875

Details

The XYZ color **65.7965, 76.9369, 22.2089** 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 **24.2274, 17.2240, 81.4040**, and the grayscale version is **67.1399, 70.6364, 76.9230**.

A 20% lighter version of the original color is **82.5050, 94.9820, 42.8390**, and **34.3858, 41.3215, 7.9138** is the 20% darker color. If you saturate the color by 10%, you get **64.7413, 76.2911, 17.3429**, and if you desaturate by 10%, it is **67.1806, 77.7207, 28.7891**.

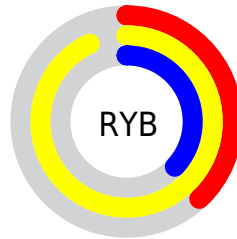
Distribution



Red (93%)

Green (91%)

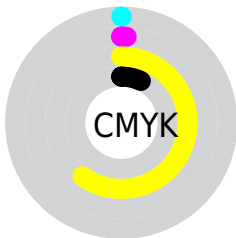
Blue (37%)



Red (38%)

Yellow (93%)

Blue (37%)

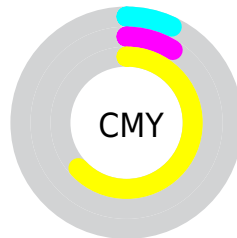


Cyan (0%)

Magenta (1%)

Yellow (60%)

Black (7%)



Cyan (7%)

Magenta (9%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7965, 76.9369, 22.2089 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 65.7965, 76.9369, 22.2089 by changing the saturation by 10% instead.

65.7965, 76.9369,
22.2089

65.7965, 76.9369,
22.2089

435.1489,
484.5489, 276.6243

48.3743, 57.2011,
13.8107

112.2536,
129.0504, 47.9976

34.3359, 41.1667,
7.8519

142.0191,
162.1969, 66.2252

23.3159, 28.4494,
3.9139

176.6299,
200.5824, 88.5664

14.9489, 18.6647,
1.5782

216.4512,
244.5913, 115.4396

8.8696, 11.4282,
0.2752

261.8484,
294.6080, 147.2635

4.7127, 6.3556,
0.0000

313.1868,

2.1127, 3.0625,

351.0169, 184.4565

0.0000

370.8319,
414.2024, 227.4373

0.6961, 1.1645,
0.0000

0.0000, 0.0324,
0.0000

65.7965, 76.9369,
22.2089

65.7965, 76.9369,
22.2089

64.7413, 76.2911,
17.3429

67.1806, 77.7207,
28.7891

63.9792, 75.7602,
14.0263


68.9148, 78.6422,
37.2188


63.4759, 75.3336,
12.0706


71.0248, 79.7148,
47.6252

63.1718, 74.9873,
11.1618


73.5323, 80.9470,
60.1230


 63.1649, 74.9788,
11.1432

 76.4575, 82.3469,
74.8180

 79.8190, 83.9220,
91.8091

 82.7853, 85.3396,
106.7167

 82.9301, 85.6293,
106.7650

 83.0754, 85.9198,
106.8134

Harmonies

Analogous

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



82.6275, 76.9369, 22.6963



65.7965, 76.9369, 22.2089



53.0468, 76.9369, 33.0674

Triad

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



65.7965, 76.9369, 22.2089



52.1489, 76.9369, 165.0708



108.6738, 76.9369, 112.6889

Complementary

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



65.7965, 76.9369, 22.2089



24.2274, 17.2240, 81.4040

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.



97.7238, 76.9369, 170.1570



65.7965, 76.9369, 22.2089



64.3827, 76.9369, 207.4520

Square

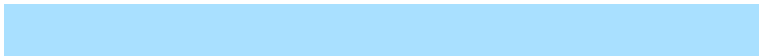
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.7965, 76.9369, 22.2089



46.0214, 76.9369, 107.4401



80.9810, 76.9369, 209.6056



109.2078, 76.9369, 63.8618

Rectangle

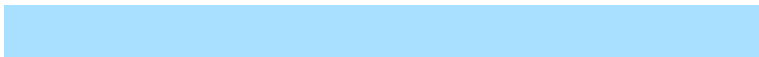
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.7965, 76.9369, 22.2089



47.8540, 76.9369, 49.0152



80.9810, 76.9369, 209.6056



106.0213, 76.9369, 131.9807

Sweetspot

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



65.7983, 76.9405, 22.2105



88.2110, 96.7683, 74.4155



40.9704, 26.9323, 15.0206



18.6778, 20.6141, 14.9120



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.



65.7983, 76.9405, 22.2105



76.9195, 90.7786, 19.4967



48.6822, 69.3854, 21.6543



16.3229, 17.5689, 16.0495



34.8308, 41.3558, 6.1467



2.7438, 3.2649, 0.4856

Inverse Universe

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



24.2274, 17.2240, 81.4040



23.2143, 13.6474, 96.0184



33.8908, 21.7977, 81.7775



14.2568, 14.6001, 18.9889



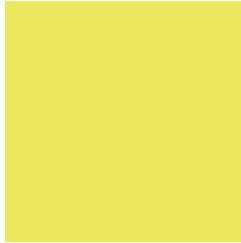
8.3873, 3.4217, 43.9614



0.6677, 0.2868, 3.4550

Previews

White Background



This preview shows how the XYZ color 65.7965, 76.9369, 22.2089 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 65.7965, 76.9369, 22.2089 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 65.7965, 76.9369, 22.2089

Background



This preview shows how black text looks on a background with the XYZ color 65.7965, 76.9369, 22.2089.



This preview shows how white text looks on a background with the XYZ color 65.7965, 76.9369,

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

65.7965, 76.9369, 22.2089

Protanopia

69.9529, 76.6111, 21.4564

Deuteranopia

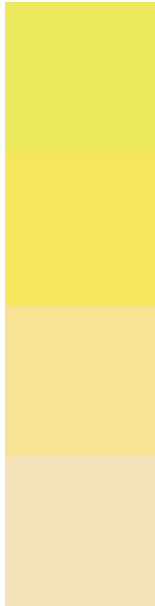
75.4980, 76.7572, 53.4843



Tritanopia

79.5388, 76.8589, 90.0000

Trichromacy



Original Color

65.7965, 76.9369, 22.2089

Protanomaly

68.3975, 76.6209, 21.7741

Deuteranomaly

71.2531, 76.4873, 39.0251

Tritanomaly

72.7208, 76.0472, 56.7447

Monochromacy



Original Color

65.7965, 76.9369, 22.2089

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

64.9818, 71.8000, 49.9690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7965, 76.9369, 22.2089 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(236, 233, 95)` looks like.

```
.text, #text, p{  
    color:rgb(236, 233, 95)  
}
```

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(236, 233, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 233, 95) }
```

Border

The CSS property to change the border of an element to XYZ 65.7965, 76.9369, 22.2089 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(236, 233, 95) }
```


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

```
.border{ border-color:rgb(236, 233, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 233, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 233, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 233, 95);  
box-shadow:4px 4px 4px 4px rgb(236, 233,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7965, 76.9369, 22.2089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 233, 95) }
```

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

```
.background{ background-color: rgb(236,  
233, 95) }
```

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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