

Converting Colors

XYZ(65.9715, 77.3094, 28.5847)

Have a look what the booklet for
XYZ(65.9715, 77.3094, 28.5847)
contains.

XYZ(65.9715, 77.3094, 28.5847)	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(65.9715, 77.3094,
28.5847)**

Conversions

Conversions Part 1

Format	Color
Hex	E8EA76
RGB	232, 234, 118
RGB Percent	91%, 92%, 46%
CMY	0.0902, 0.0823, 0.5372
CMYK	0.01, 0.00, 0.50, 0.08
HSL	61°, 73%, 69%
HSV	61°, 50%, 92%
XYZ	65.9715, 77.3094, 28.5847
YIQ	220.1780, 36.0440, -36.5000

Conversions

Conversions Part 2

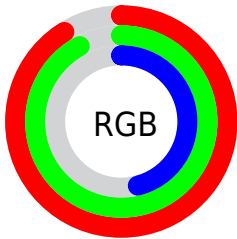
Format	Color
RYB	118, 234, 120
Decimal	15264374
CIELab	90.46, -16.20, 55.50
CIELCh	90, 57.811, 106.269
Yxy	77.3094, 0.3839, 0.4498
Android (android.graphics.Color)	4293454454 (0xFFE8EA76)
YUV	220.1780, -50.3738, 10.3679
Hunter-Lab	87.9258, -19.9399, 42.2728

Details

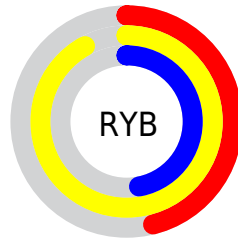
The XYZ color **65.9715, 77.3094, 28.5847** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.0781, 22.8923, 80.7326**, and the grayscale version is **68.4767, 72.0428, 78.4546**.

A 20% lighter version of the original color is **84.5428, 95.7971, 53.5700**, and **34.3301, 41.2211, 11.1481** is the 20% darker color. If you saturate the color by 10%, you get **64.6194, 76.7562, 22.1417**, and if you desaturate by 10%, it is **67.6725, 78.0078, 36.8475**.

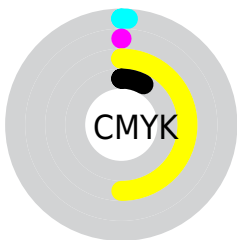
Distribution



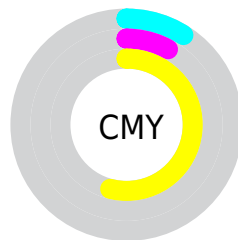
- Red (91%)
- Green (92%)
- Blue (46%)



- Red (46%)
- Yellow (92%)
- Blue (47%)



- Cyan (1%)
- Magenta (0%)
- Yellow (50%)
- Black (8%)





- Cyan (9%)
- Magenta (8%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.9715, 77.3094, 28.5847 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 65.9715, 77.3094, 28.5847 by changing the saturation by 10% instead.


 65.9715, 77.3094,
28.5847


 65.9715, 77.3094,
28.5847


435.7652,
485.8183, 309.2498

 48.5169, 57.5068,
18.5240


 112.5034,
129.5761, 58.4509

 34.4494, 41.4123,
11.1535


 142.3114,
162.8091, 79.0935

 23.4035, 28.6414,
6.0547


 176.9678,
201.2877, 104.1004

 15.0141, 18.8097,
2.8091


216.8382,
245.3962, 133.8903

 8.9157, 11.5329,
0.9980

262.2877,
295.5192, 168.8816

 4.7429, 6.4264,
0.0000

313.6818,

 2.1304, 3.1061,

352.0409, 209.4930

0.0000

371.3859,
415.3458, 256.1428

■ 0.7057, 1.1874,
0.0000

■ 0.0000, 0.0513,
0.0000

■ 65.9715, 77.3094,
28.5847

■ 65.9715, 77.3094,
28.5847

■ 64.6194, 76.7562,
22.1417

■ 67.6725, 78.0078,
36.8475

■ 63.5848, 76.3272,
17.3767


■ 69.7403, 78.8502,
47.0480


■ 62.8397, 76.0141,
14.1351


■ 72.1980, 79.8485,
59.3001

■ 62.3490, 75.8028,
12.2314


■ 75.0652, 81.0107,
73.7072


 62.0554, 75.6703,
11.3639

 78.3603, 82.3440,
90.3661

 62.0444, 75.6652,
11.3348

 81.5470, 83.6341,
106.4528

 81.6804, 83.7029,
106.4590

 81.8141, 83.7718,
106.4652

 81.9480, 83.8409,
106.4715

Harmonies

Analogous

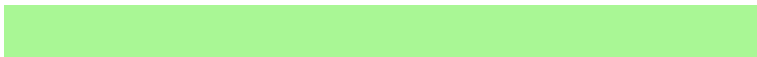
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2709, 77.3094, 28.1431



65.9715, 77.3094, 28.5847



55.1844, 77.3094, 40.2987

Triad

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



65.9715, 77.3094, 28.5847



55.9064, 77.3094, 155.7191



103.8936, 77.3094, 104.5010

Complementary

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



65.9715, 77.3094, 28.5847



29.0781, 22.8923, 80.7326

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.



95.4296, 77.3094, 151.9942



65.9715, 77.3094, 28.5847



67.0838, 77.3094, 187.4858

Square

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



65.9715, 77.3094, 28.5847



49.9155, 77.3094, 108.4823



81.5382, 77.3094, 185.9346



103.4929, 77.3094, 63.8033

Rectangle

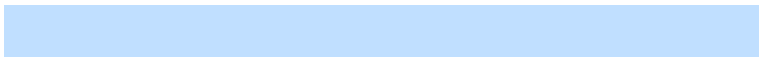
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.9715, 77.3094, 28.5847



50.8767, 77.3094, 56.0550



81.5382, 77.3094, 185.9346



101.9477, 77.3094, 120.4122

Sweetspot

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



65.9734, 77.3129, 28.5863



89.2489, 97.6515, 79.6200



43.9128, 32.2193, 21.0451



18.9486, 20.8389, 16.2673



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.



65.9734, 77.3129, 28.5863



78.5758, 93.3005, 27.1111



50.1662, 69.1641, 27.8465



16.3247, 17.6129, 16.0580



34.8754, 42.5234, 6.3697



2.7468, 3.3434, 0.5006

Inverse Universe

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



29.0781, 22.8923, 80.7326



29.1376, 20.3670, 97.0032



39.6769, 28.3562, 81.2286



14.2553, 14.5614, 18.9815



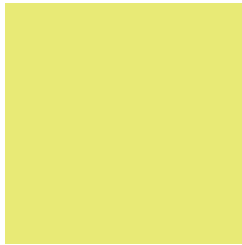
8.3848, 3.3585, 43.9493



0.6669, 0.2681, 3.4515

Previews

White Background



This preview shows how the XYZ color 65.9715, 77.3094, 28.5847 looks on a white background.

Color Contrast Check

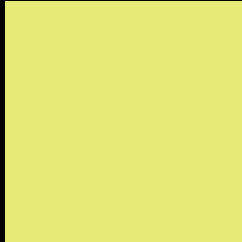
Large Text (above 18pt) WCAG AA × Fail

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 65.9715, 77.3094, 28.5847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

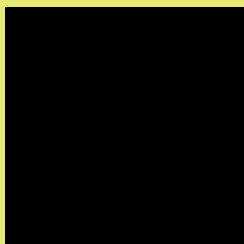
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.9715, 77.3094, 28.5847

Background



This preview shows how black text looks on a background with the XYZ color 65.9715, 77.3094, 28.5847.



This preview shows how white text looks on a background with the XYZ color 65.9715, 77.3094,

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

65.9715, 77.3094, 28.5847

Protanopia

70.6794, 77.2570, 27.7099

Deuteranopia

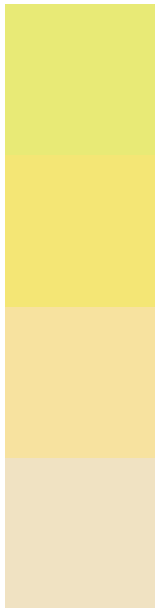
75.9085, 76.9214, 55.6463



Tritanopia

78.9453, 77.2984, 91.6481

Trichromacy



Original Color

65.9715, 77.3094, 28.5847

Protanomaly

68.8159, 77.1111, 28.0866

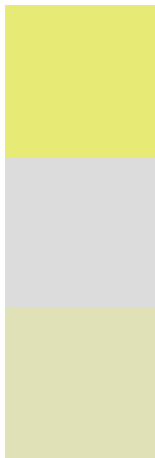
Deuteranomaly

71.8121, 76.6701, 43.8148

Tritanomaly

72.8691, 76.8130, 62.0247

Monochromacy



Original Color

65.9715, 77.3094, 28.5847

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.2129, 73.1166, 55.4229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9715, 77.3094, 28.5847 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, 234, 118)` looks like.

```
.text, #text, p{  
    color:rgb(232, 234, 118)  
}
```

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, 234, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 234, 118) }
```

Border

The CSS property to change the border of an element to XYZ 65.9715, 77.3094, 28.5847 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, 234, 118) }
```


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

```
.border{ border-color:rgb(232, 234, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 234, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 234, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 234, 118);  
box-shadow:4px 4px 4px 4px rgb(232, 234,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9715, 77.3094, 28.5847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 234, 118) }
```

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

```
.background{ background-color: rgb(232,  
234, 118) }
```

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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