

Converting Colors

XYZ(67.4295, 79.9631, 20.2845)

Have a look what the booklet for
XYZ(67.4295, 79.9631, 20.2845)
contains.

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Color

**XYZ(67.4347, 79.9663,
20.2684)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEE54
RGB	238, 238, 84
RGB Percent	93%, 93%, 33%
CMY	0.0667, 0.0666, 0.6706
CMYK	0.00, 0.00, 0.65, 0.07
HSL	60°, 82%, 63%
HSV	60°, 65%, 93%
XYZ	67.4347, 79.9663, 20.2684
YIQ	220.4440, 49.4340, -47.8940

Conversions

Conversions Part 2

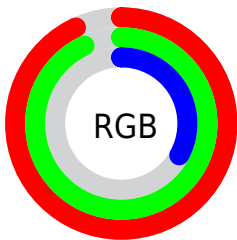
Format	Color
RYB	84, 238, 84
Decimal	15658580
CIELab	91.67, -18.14, 71.44
CIElCh	92, 73.710, 104.251
Yxy	79.9663, 0.4022, 0.4769
Android (android.graphics.Color)	4293848660 (0xFFEEEE54)
YUV	220.4440, -67.2669, 15.3966
Hunter-Lab	89.4239, -21.8846, 49.1583

Details

The XYZ color **67.4347, 79.9663, 20.2684** 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 **22.2615, 14.4002, 82.5000**, and the grayscale version is **68.7714, 72.3529, 78.7923**.

A 20% lighter version of the original color is **81.8077, 94.7031, 39.1671**, and **35.3976, 43.0713, 6.8634** is the 20% darker color. If you saturate the color by 10%, you get **66.6568, 79.6581, 16.1657**, and if you desaturate by 10%, it is **68.5329, 80.4086, 26.0416**.

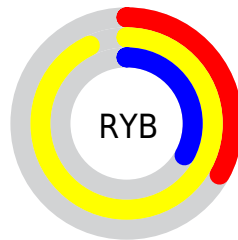
Distribution



Red (93%)

Green (93%)

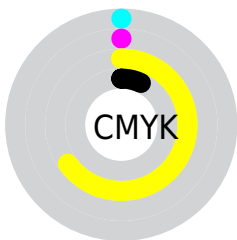
Blue (33%)



Red (33%)

Yellow (93%)

Blue (33%)

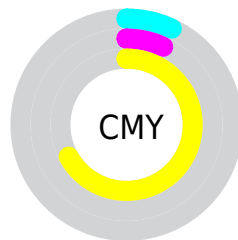


Cyan (0%)

Magenta (0%)

Yellow (65%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4347, 79.9663, 20.2684 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 67.4347, 79.9663, 20.2684 by changing the saturation by 10% instead.

67.4347, 79.9663,
20.2684

67.4347, 79.9663,
20.2684

440.8987,
494.8193, 266.0166

49.7100, 59.6906,
12.4043

114.5894,
133.3184, 44.7316

35.3999, 43.1693,
6.8938

144.7501,
167.1635, 62.1677

24.1390, 30.0180,
3.3183

179.7869,
206.3006, 83.6317

15.5621, 19.8522,
1.2594

220.0651,
251.1141, 109.5419

9.3037, 12.2877,
0.0281

265.9500,
301.9883, 140.3169

4.9985, 6.9399,
0.0000

317.8070,

2.2811, 3.4246,

359.3076, 176.3754

0.0000

376.0014,
423.4565, 218.1357

■ 0.7850, 1.3572,
0.0000

■ 0.0000, 0.1849,
0.0000

■ 67.4347, 79.9663,
20.2684

■ 67.4347, 79.9663,
20.2684

■ 66.6568, 79.6581,
16.1657

■ 68.5329, 80.4086,
26.0416

■ 66.1601, 79.4593,
13.5518


■ 69.9748, 80.9854,
33.6325


■ 65.9052, 79.3573,
12.2114


■ 71.7878, 81.7106,
43.1780


■ 65.8349, 79.3292,
11.8422


■ 73.9953, 82.5937,
54.8003

 76.6184, 83.6429,
68.6116

 79.6770, 84.8664,
84.7164

 83.1897, 86.2716,
103.2120

 83.8890, 86.5513,
106.8924

 83.8893, 86.5515,
106.8924

Harmonies

Analogous

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



86.2652, 79.9663, 20.5352



67.4347, 79.9663, 20.2684



53.4321, 79.9663, 31.9045

Triad

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



67.4347, 79.9663, 20.2684



52.9043, 79.9663, 181.3479



116.4605, 79.9663, 118.3644

Complementary

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



67.4347, 79.9663, 20.2684



22.2615, 14.4002, 82.5000

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.



104.1805, 79.9663, 184.4941



67.4347, 79.9663, 20.2684



66.5935, 79.9663, 229.9006

Square

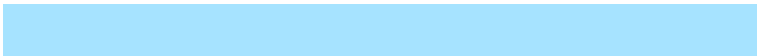
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.4347, 79.9663, 20.2684



46.0311, 79.9663, 115.1781



85.2735, 79.9663, 231.2444



116.7866, 79.9663, 63.9524

Rectangle

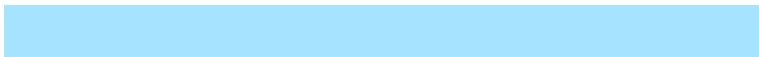
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.4347, 79.9663, 20.2684



47.8304, 79.9663, 49.3372



85.2735, 79.9663, 231.2444



113.5133, 79.9663, 140.3471

Sweetspot

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



67.4366, 79.9700, 20.2700



88.2067, 97.2626, 72.8680



40.0332, 25.1599, 11.1349



18.6939, 20.7438, 14.6173



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.



67.4366, 79.9700, 20.2700



77.7130, 93.0648, 17.6216



46.8759, 69.3706, 19.3078



17.1229, 18.4590, 16.8102



36.7270, 44.2550, 6.6064



3.0554, 3.6816, 0.5496

Inverse Universe

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



22.2615, 14.4002, 82.5000



21.1060, 10.9019, 95.5996



33.3034, 20.0925, 83.0168



14.8974, 15.2288, 19.8759



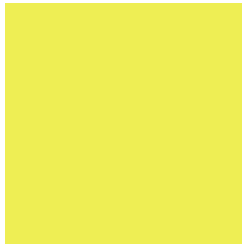
8.6099, 3.4440, 45.3388



0.7163, 0.2865, 3.7718

Previews

White Background



This preview shows how the XYZ color 67.4347, 79.9663, 20.2684 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 67.4347, 79.9663, 20.2684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

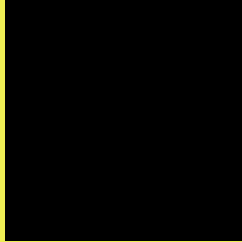
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.4347, 79.9663, 20.2684

Background



This preview shows how black text looks on a background with the XYZ color 67.4347, 79.9663, 20.2684.

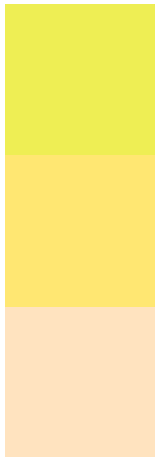


This preview shows how white text looks on a background with the XYZ color 67.4347, 79.9663,

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

67.4347, 79.9663, 20.2684

Protanopia

72.8532, 79.6267, 27.4493

Deuteranopia

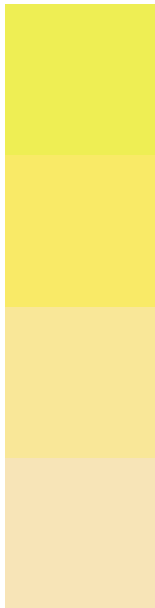
78.1131, 79.9598, 60.6070



Tritanopia

82.2607, 79.7621, 93.4981

Trichromacy



Original Color

67.4347, 79.9663, 20.2684

Protanomaly

70.9379, 79.9646, 24.5279

Deuteranomaly

73.3103, 79.5586, 41.1982

Tritanomaly

74.6484, 78.6799, 56.0521

Monochromacy



Original Color

67.4347, 79.9663, 20.2684

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.4983, 74.2093, 49.3471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4347, 79.9663, 20.2684 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(238, 238, 84)` looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 84)  
}
```

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(238, 238, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 84) }
```

Border

The CSS property to change the border of an element to XYZ 67.4347, 79.9663, 20.2684 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(238, 238, 84) }
```


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

```
.border{ border-color:rgb(238, 238, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 238, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 238, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 238, 84);  
box-shadow:4px 4px 4px 4px rgb(238, 238,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4347, 79.9663, 20.2684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 84) }
```

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

```
.background{ background-color: rgb(238,  
238, 84) }
```

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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