

Converting Colors

XYZ(68.5556, 76.8968, 29.1237)

Have a look what the booklet for
XYZ(68.5556, 76.8968, 29.1237)
contains.

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Color

**XYZ(68.6491, 77.0044,
29.0144)**

Conversions

Conversions Part 1

Format	Color
Hex	F3E678
RGB	243, 230, 120
RGB Percent	95%, 90%, 47%
CMY	0.0471, 0.0980, 0.5294
CMYK	0.00, 0.05, 0.51, 0.05
HSL	54°, 84%, 71%
HSV	54°, 51%, 95%
XYZ	68.6491, 77.0044, 29.0144
YIQ	221.3470, 43.0580, -31.4540

Conversions

Conversions Part 2

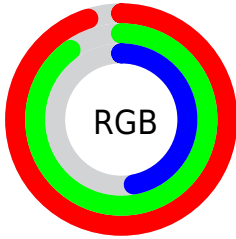
Format	Color
RYB	135, 243, 120
Decimal	15984248
CIELab	90.32, -9.68, 54.62
CIELCh	90, 55.467, 100.052
Yxy	77.0044, 0.3930, 0.4409
Android (android.graphics.Color)	4294174328 (0xFFFF3E678)
YUV	221.3470, -49.9641, 18.9897
Hunter-Lab	87.7522, -13.9245, 41.8228

Details

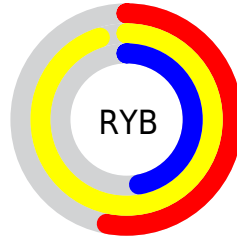
The XYZ color **68.6491, 77.0044, 29.0144** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.3107, 27.2383, 88.3482**, and the grayscale version is **69.2920, 72.9006, 79.3887**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **36.3507, 41.3795, 11.3813** is the 20% darker color. If you saturate the color by 10%, you get **66.6491, 75.0726, 21.9725**, and if you desaturate by 10%, it is **71.0375, 79.1141, 38.0336**.

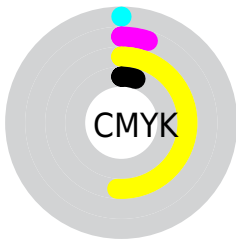
Distribution



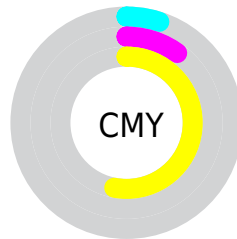
- Red (95%)
- Green (90%)
- Blue (47%)



- Red (53%)
- Yellow (95%)
- Blue (47%)



- Cyan (0%)
- Magenta (5%)
- Yellow (51%)
- Black (5%)



- Cyan (5%)
- Magenta (10%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6491, 77.0044, 29.0144 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 68.6491, 77.0044, 29.0144 by changing the saturation by 10% instead.

68.6491, 77.0044,
29.0144

68.6491, 77.0044,
29.0144

445.1331,
484.7790, 311.3460

50.7016, 57.2565,
18.8460

116.3171,
129.1457, 59.1424

36.1913, 41.2112,
11.3834

146.7682,
162.3079, 79.9392

24.7527, 28.4841,
6.2079

182.1180,
200.7102, 105.1158

16.0207, 18.6909,
2.9011

222.7317,
244.7372, 135.0908

9.6297, 11.4472,
1.0444

268.9747,
294.7732, 170.2828

5.2145, 6.3685,
0.0000

321.2124,

2.4097, 3.0704,

351.2026, 211.1103

0.0000

379.8101,
414.4097, 257.9918

■ 0.8500, 1.1686,
0.0000

■ 0.0000, 0.0358,
0.0000

■ 68.6491, 77.0044,
29.0144

■ 68.6491, 77.0044,
29.0144

■ 66.6491, 75.0726,
21.9725

■ 71.0375, 79.1141,
38.0336

■ 65.0031, 73.2962,
16.7508


■ 73.8347, 81.4014,
49.1615


■ 63.6797, 71.6657,
13.1768


■ 77.0662, 83.8794,
62.5238

■ 62.6393, 70.1649,
11.0421

■ 80.7537, 86.5568,
78.2350


 61.8599, 68.8504,
10.0291

 84.9175, 89.4419,
96.4017

 87.7881, 91.8268,
107.7052

 88.5718, 93.3943,
107.9664

 89.3664, 94.9834,
108.2313

 90.1718, 96.5942,
108.4997

Harmonies

Analogous

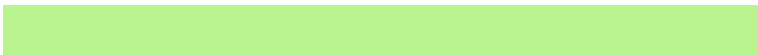
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6362, 77.0044, 30.7216



68.6491, 77.0044, 29.0144



57.3871, 77.0044, 38.0383

Triad

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



68.6491, 77.0044, 29.0144



54.6748, 77.0044, 142.9739



101.1206, 77.0044, 112.5825

Complementary

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



68.6491, 77.0044, 29.0144



32.3107, 27.2383, 88.3482

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.



91.6573, 77.0044, 156.6371



68.6491, 77.0044, 29.0144



64.4933, 77.0044, 177.6644

Square

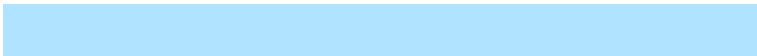
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6491, 77.0044, 29.0144



50.0180, 77.0044, 97.8432



77.9276, 77.0044, 183.3290



102.5995, 77.0044, 71.2494

Rectangle

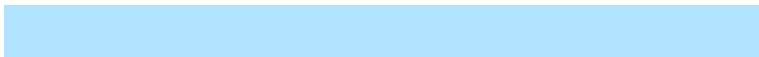
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6491, 77.0044, 29.0144



52.4942, 77.0044, 51.3007



77.9276, 77.0044, 183.3290



98.7162, 77.0044, 127.8666

Sweetspot

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



68.6509, 77.0080, 29.0160



88.2164, 95.2257, 79.2062



48.0065, 34.2193, 26.7582



18.6970, 20.2476, 16.1664



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.



68.6509, 77.0080, 29.0160



74.2539, 83.6499, 24.1499



58.1670, 77.1728, 29.6004



17.7564, 18.9969, 17.5285



34.0108, 37.9072, 5.5243



3.0313, 3.4159, 0.4996

Inverse Universe

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



32.3107, 27.2383, 88.3482



29.4767, 22.3616, 97.3704



38.8628, 28.1367, 88.1763



15.7220, 16.2083, 20.8424



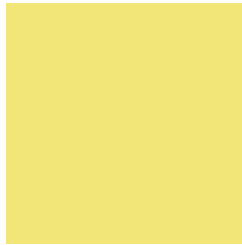
9.1232, 4.0401, 46.8370



0.8476, 0.4466, 4.1318

Previews

White Background



This preview shows how the XYZ color 68.6491, 77.0044, 29.0144 looks on a white background.

Color Contrast Check

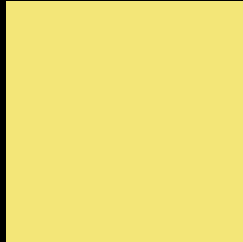
Large Text (above 18pt) WCAG AA × Fail

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 68.6491, 77.0044, 29.0144 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 68.6491, 77.0044, 29.0144

Background



This preview shows how black text looks on a background with the XYZ color 68.6491, 77.0044, 29.0144.



This preview shows how white text looks on a background with the XYZ color 68.6491, 77.0044,

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

68.6491, 77.0044, 29.0144

Protanopia

70.5825, 76.7793, 28.5526

Deuteranopia

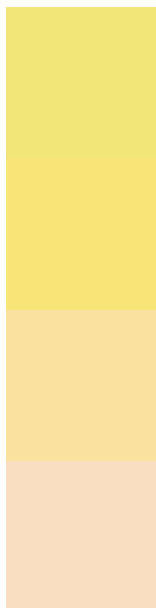
75.9085, 76.9214, 55.6463



Tritanopia

80.5372, 76.6371, 88.3896

Trichromacy



Original Color

68.6491, 77.0044, 29.0144

Protanomaly

69.7846, 76.7752, 28.5938

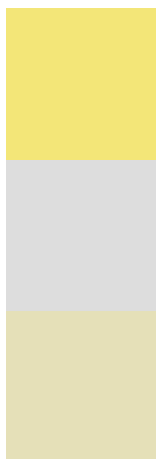
Deuteranomaly

73.0540, 76.8977, 44.2501

Tritanomaly

75.1713, 76.4168, 61.2400

Monochromacy



Original Color

68.6491, 77.0044, 29.0144

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.6205, 73.4300, 55.9568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6491, 77.0044, 29.0144 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(243, 230, 120)` looks like.

```
.text, #text, p{  
    color:rgb(243, 230, 120)  
}
```

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(243, 230, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 230, 120) }
```

Border

The CSS property to change the border of an element to XYZ 68.6491, 77.0044, 29.0144 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(243, 230, 120) }
```


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

```
.border{ border-color:rgb(243, 230, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 230, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 230, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 230, 120);  
box-shadow:4px 4px 4px 4px rgb(243, 230,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6491, 77.0044, 29.0144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 230, 120) }
```

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

```
.background{ background-color: rgb(243,  
230, 120) }
```

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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