

Converting Colors

XYZ(68.3222, 76.0096, 26.3620)

Have a look what the booklet for
XYZ(68.3222, 76.0096, 26.3620)
contains.

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Color

**XYZ(68.3242, 76.0691,
26.4110)**

Conversions

Conversions Part 1

Format	Color
Hex	F5E470
RGB	245, 228, 112
RGB Percent	96%, 89%, 44%
CMY	0.0392, 0.1059, 0.5608
CMYK	0.00, 0.07, 0.54, 0.04
HSL	52°, 87%, 70%
HSV	52°, 54%, 96%
XYZ	68.3242, 76.0691, 26.4110
YIQ	219.8590, 47.3680, -32.4720

Conversions

Conversions Part 2

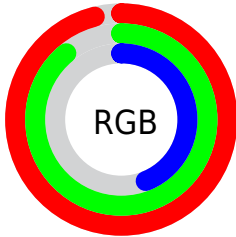
Format	Color
R_{YB}	131, 245, 112
Decimal	16114800
CIE Lab	89.89, -8.53, 57.84
CIE LCh	90, 58.466, 98.387
Yxy	76.0691, 0.4000, 0.4454
Android (android.graphics.Color)	4294304880 (0xFFFF5E470)
YUV	219.8590, -53.1745, 22.0487
Hunter-Lab	87.2176, -12.7981, 43.0983

Details

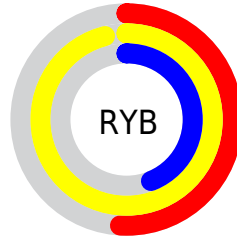
The XYZ color **68.3242, 76.0691, 26.4110** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.0137, 25.7371, 89.7190**, and the grayscale version is **68.2669, 71.8221, 78.2143**.

A 20% lighter version of the original color is **83.9751, 95.5700, 50.5801**, and **35.9570, 40.6317, 9.9506** is the 20% darker color. If you saturate the color by 10%, you get **66.2887, 73.8922, 19.8939**, and if you desaturate by 10%, it is **70.7500, 78.4328, 34.8907**.

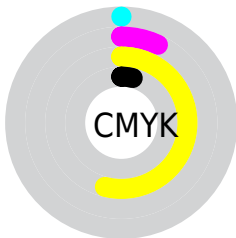
Distribution



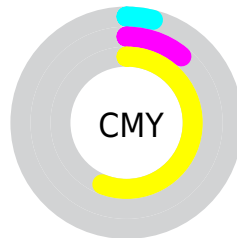
- Red (96%)
- Green (89%)
- Blue (44%)



- Red (51%)
- Yellow (96%)
- Blue (44%)



- Cyan (0%)
- Magenta (7%)
- Yellow (54%)
- Black (4%)



- Cyan (4%)
- Magenta (11%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3242, 76.0691, 26.4110 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 68.3242, 76.0691, 26.4110 by changing the saturation by 10% instead.

68.3242, 76.0691,
26.4110

68.3242, 76.0691,
26.4110

444.0026,
481.5842, 298.4633

50.4362, 56.4892,
16.9028

115.8552,
127.8246, 54.9294

35.9793, 40.5953,
10.0040

146.2288,
160.7689, 74.7768

24.5882, 28.0030,
5.2960

181.4951,
198.9368, 98.9077

15.8976, 18.3279,
2.3602

222.0193,
242.7128, 127.7406

9.5421, 11.1857,
0.7646

268.1668,
292.4811, 161.6941

5.1564, 6.1918,
0.0000

320.3029,

2.3750, 2.9621,

348.6261, 201.1866

0.0000

378.7930,
411.5324, 246.6369

■ 0.8326, 1.1120,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.3242, 76.0691,
26.4110

■ 68.3242, 76.0691,
26.4110

■ 66.2887, 73.8922,
19.8939

■ 70.7500, 78.4328,
34.8907

■ 64.6071, 71.8788,
15.1720


■ 73.5883, 80.9836,
45.4726


■ 63.2453, 70.0181,
12.0581


■ 76.8656, 83.7353,
58.2893


■ 62.1594, 68.2923,
10.3212


■ 80.6050, 86.6972,
73.4608

 61.6256, 67.3516,
9.7521

 84.8277, 89.8778,
91.0987

 88.9022, 93.0248,
107.8777

 89.8665, 94.9534,
108.1991

 90.8469, 96.9143,
108.5259

 91.4660, 98.1524,
108.7323

Harmonies

Analogous

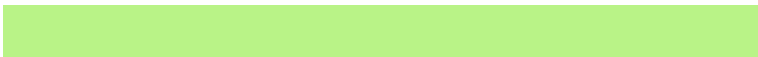
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0260, 76.0691, 28.6876



68.3242, 76.0691, 26.4110



56.3842, 76.0691, 34.8006

Triad

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



68.3242, 76.0691, 26.4110



52.6364, 76.0691, 142.7153



101.3306, 76.0691, 115.7294

Complementary

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



68.3242, 76.0691, 26.4110



31.0137, 25.7371, 89.7190

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.



90.9633, 76.0691, 162.1647



68.3242, 76.0691, 26.4110



62.5425, 76.0691, 181.0149

Square

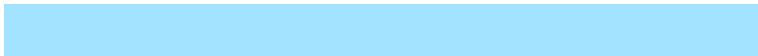
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.3242, 76.0691, 26.4110



48.1503, 76.0691, 94.9827



76.4300, 76.0691, 189.1219



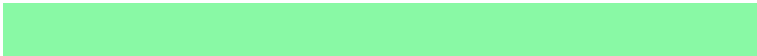
103.4192, 76.0691, 71.7541

Rectangle

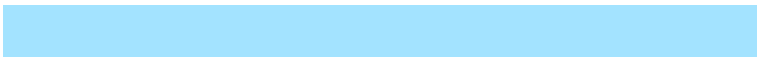
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.3242, 76.0691, 26.4110



51.1273, 76.0691, 47.7256



76.4300, 76.0691, 189.1219



98.6378, 76.0691, 131.9305

Sweetspot

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



68.3260, 76.0727, 26.4126



87.5226, 94.3641, 77.3535



47.4621, 32.6061, 24.8185



18.5475, 20.0523, 15.7974



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.



68.3260, 76.0727, 26.4126



72.4258, 80.7297, 21.2715



58.4030, 78.2417, 27.3542



17.7235, 18.9310, 17.5175



33.2709, 36.4275, 5.2776



2.9736, 3.3005, 0.4803

Inverse Universe

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



31.0137, 25.7371, 89.7190



27.8161, 20.6007, 97.1180



36.9273, 25.7347, 89.4068



15.7518, 16.2679, 20.8524



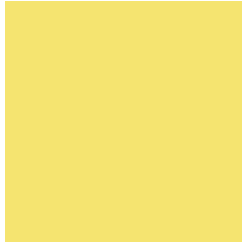
9.2011, 4.1960, 46.8630



0.8617, 0.4748, 4.1365

Previews

White Background



This preview shows how the XYZ color 68.3242, 76.0691, 26.4110 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 68.3242, 76.0691, 26.4110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

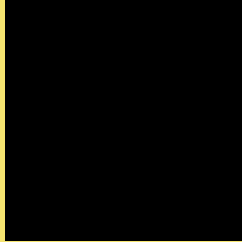
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3242, 76.0691, 26.4110

Background



This preview shows how black text looks on a background with the XYZ color 68.3242, 76.0691, 26.4110.



This preview shows how white text looks on a background with the XYZ color 68.3242, 76.0691,

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

68.3242, 76.0691, 26.4110

Protanopia

69.4899, 75.8644, 26.0197

Deuteranopia

74.8691, 75.6608, 52.7774



Tritanopia

79.9642, 75.6304, 85.9849

Trichromacy



Original Color

68.3242, 76.0691, 26.4110

Protanomaly

69.0497, 76.0423, 26.0773



Deuteranomaly

72.0041, 75.6177, 41.3725



Tritanomaly

74.4540, 75.3265, 58.1923

Monochromacy



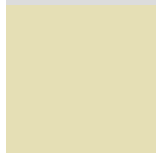
Original Color

68.3242, 76.0691, 26.4110



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

67.0413, 72.7696, 54.2285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3242, 76.0691, 26.4110 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(245, 228, 112)` looks like.

```
.text, #text, p{  
    color:rgb(245, 228, 112)  
}
```

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(245, 228, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 228, 112) }
```

Border

The CSS property to change the border of an element to XYZ 68.3242, 76.0691, 26.4110 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(245, 228, 112) }
```


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

```
.border{ border-color:rgb(245, 228, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 228, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 228, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 228, 112);  
box-shadow:4px 4px 4px 4px rgb(245, 228,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3242, 76.0691, 26.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 228, 112) }
```

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

```
.background{ background-color: rgb(245,  
228, 112) }
```

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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