

Converting Colors

XYZ(68.3268, 76.6090, 25.2145)

Have a look what the booklet for
XYZ(68.3268, 76.6090, 25.2145)
contains.

XYZ(68.3293, 76.5126, 25.0770)	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(68.3293, 76.5126,
25.0770)**

Conversions

Conversions Part 1

Format	Color
Hex	F5E56B
RGB	245, 229, 107
RGB Percent	96%, 90%, 42%
CMY	0.0392, 0.1019, 0.5804
CMYK	0.00, 0.07, 0.56, 0.04
HSL	53°, 87%, 69%
HSV	53°, 56%, 96%
XYZ	68.3293, 76.5126, 25.0770
YIQ	219.8760, 48.6980, -34.5500

Conversions

Conversions Part 2

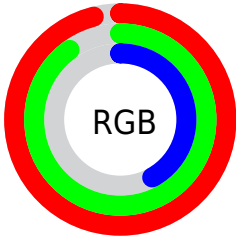
Format	Color
RYB	125, 245, 107
Decimal	16115051
CIELab	90.10, -9.40, 60.33
CIELCh	90, 61.060, 98.857
Yxy	76.5126, 0.4021, 0.4503
Android (android.graphics.Color)	4294305131 (0xFFFF5E56B)
YUV	219.8760, -55.6479, 22.0337
Hunter-Lab	87.4715, -13.6379, 44.2323

Details

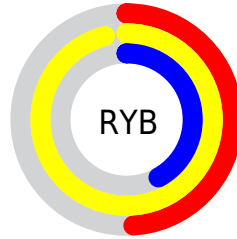
The XYZ color **68.3293, 76.5126, 25.0770** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.6277, 23.8836, 89.4342**, and the grayscale version is **68.2949, 71.8515, 78.2463**.

A 20% lighter version of the original color is **83.5216, 95.3886, 48.1922**, and **36.0284, 40.9682, 9.3769** is the 20% darker color. If you saturate the color by 10%, you get **66.4400, 74.5129, 18.9641**, and if you desaturate by 10%, it is **70.6002, 78.6912, 33.1200**.

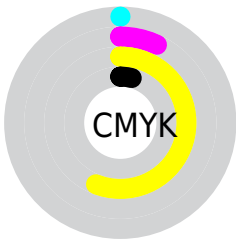
Distribution



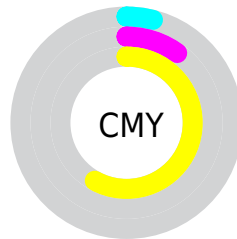
- Red (96%)
- Green (90%)
- Blue (42%)



- Red (49%)
- Yellow (96%)
- Blue (42%)



- Cyan (0%)
- Magenta (7%)
- Yellow (56%)
- Black (4%)



- Cyan (4%)
- Magenta (10%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3293, 76.5126, 25.0770 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 68.3293, 76.5126, 25.0770 by changing the saturation by 10% instead.

68.3293, 76.5126,
25.0770

68.3293, 76.5126,
25.0770

444.0203,
483.1006, 291.6811

50.4403, 56.8529,
15.9149

115.8624,
128.4512, 52.7478

35.9826, 40.8872,
9.3102

146.2373,
161.4990, 72.0935

24.5908, 28.2309,
4.8445

181.5049,
199.7782, 95.6709

15.8996, 18.4998,
2.0992

222.0305,
243.6734, 123.8985

9.5435, 11.3094,
0.6153

268.1794,
293.5688, 157.1947

5.1573, 6.2754,
0.0000

320.3172,

2.3755, 3.0132,

349.8489, 195.9782

0.0000

378.8090,
412.8980, 240.6675

■ 0.8329, 1.1386,
0.0000

■ 0.0000, 0.0107,
0.0000

■ 68.3293, 76.5126,
25.0770

■ 68.3293, 76.5126,
25.0770

■ 66.4400, 74.5129,
18.9641

■ 70.6002, 78.6912,
33.1200

■ 64.8951, 72.6685,
14.6096


■ 73.2753, 81.0494,
43.2361


■ 63.6591, 70.9681,
11.8191

■ 76.3819, 83.6009,
55.5602

■ 62.6857, 69.3930,
10.3488


■ 79.9432, 86.3551,
70.2144


 62.3672, 68.8349,
9.9994

 83.9808, 89.3207,
87.3121

 88.5147, 92.5060,
106.9588

 89.5453, 94.3110,
108.0920

 90.4291, 96.0785,
108.3866

 91.3261, 97.8727,
108.6857

Harmonies

Analogous

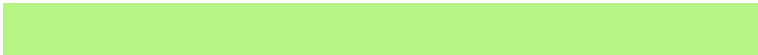
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7439, 76.5126, 27.2102



68.3293, 76.5126, 25.0770



55.9357, 76.5126, 33.7684

Triad

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



68.3293, 76.5126, 25.0770



52.3161, 76.5126, 147.3746



103.4154, 76.5126, 117.1681

Complementary

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



68.3293, 76.5126, 25.0770



29.6277, 23.8836, 89.4342

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.



92.5720, 76.5126, 166.6223



68.3293, 76.5126, 25.0770



62.7140, 76.5126, 187.8564

Square

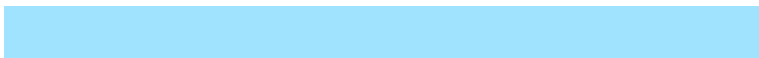
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.3293, 76.5126, 25.0770



47.5709, 76.5126, 96.8260



77.3010, 76.5126, 195.9149



105.4692, 76.5126, 71.1128

Rectangle

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



68.3293, 76.5126, 25.0770



50.5320, 76.5126, 47.1838



77.3010, 76.5126, 195.9149



100.6120, 76.5126, 134.3309

Sweetspot

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



68.3311, 76.5162, 25.0786



87.2577, 94.3521, 75.6689



46.4957, 31.3611, 22.3755



18.5014, 20.0620, 15.4676



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.



68.3311, 76.5162, 25.0786



72.4286, 81.2248, 19.7636



57.0701, 77.5857, 25.8785



17.7411, 18.9664, 17.5234



33.6650, 37.2155, 5.4090



3.0044, 3.3620, 0.4906

Inverse Universe

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



29.6277, 23.8836, 89.4342



26.2165, 18.4391, 96.7851



36.2170, 24.5721, 89.2198



15.7358, 16.2359, 20.8470



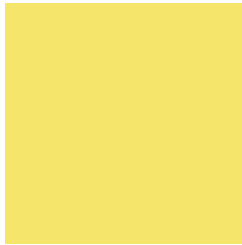
9.1577, 4.1092, 46.8485



0.8541, 0.4597, 4.1339

Previews

White Background



This preview shows how the XYZ color 68.3293, 76.5126, 25.0770 looks on a white background.

Color Contrast Check

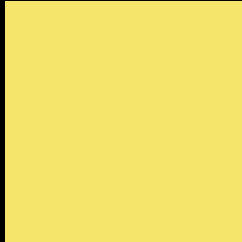
Large Text (above 18pt) WCAG AA × Fail

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 68.3293, 76.5126, 25.0770 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 68.3293, 76.5126, 25.0770

Background



This preview shows how black text looks on a background with the XYZ color 68.3293, 76.5126, 25.0770.



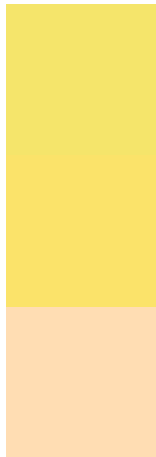
This preview shows how white text looks on a background with the XYZ color 68.3293, 76.5126,

25.0770.

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

68.3293, 76.5126, 25.0770

Protanopia

69.8543, 76.4880, 24.7176

Deuteranopia

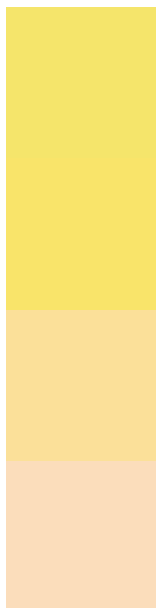
75.2331, 76.2276, 53.3960



Tritanopia

80.3614, 76.1979, 86.8161

Trichromacy



Original Color

68.3293, 76.5126, 25.0770

Protanomaly

69.4118, 76.6671, 24.7755

Deuteranomaly

72.1891, 76.1204, 41.0249

Tritanomaly

74.6098, 75.8100, 57.7141

Monochromacy



Original Color

68.3293, 76.5126, 25.0770

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.8375, 72.6880, 53.1553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3293, 76.5126, 25.0770 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, 229, 107)` looks like.

```
.text, #text, p{  
    color:rgb(245, 229, 107)  
}
```

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, 229, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 229, 107) }
```

Border

The CSS property to change the border of an element to XYZ 68.3293, 76.5126, 25.0770 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, 229, 107) }
```


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

```
.border{ border-color:rgb(245, 229, 107) }
```

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

Here you see how a box with a 4 pixel rgb(245, 229, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 229, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 229, 107);  
box-shadow:4px 4px 4px 4px rgb(245, 229,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3293, 76.5126, 25.0770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 229, 107) }
```

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

```
.background{ background-color: rgb(245,  
229, 107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor