

Converting Colors

XYZ(69.0559, 76.3456, 52.4507)

Have a look what the booklet for
XYZ(69.0559, 76.3456, 52.4507)
contains.

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Color

**XYZ(68.9101, 76.2019,
52.6715)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E5B1
RGB	231, 229, 177
RGB Percent	91%, 90%, 69%
CMY	0.0941, 0.1019, 0.3059
CMYK	0.00, 0.01, 0.23, 0.09
HSL	58°, 53%, 80%
HSV	58°, 23%, 91%
XYZ	68.9101, 76.2019, 52.6715
YIQ	223.6700, 17.8840, -15.7480

Conversions

Conversions Part 2

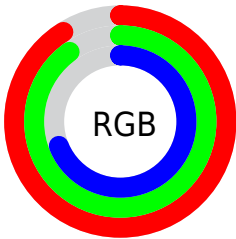
Format	Color
RYB	179, 231, 177
Decimal	15197617
CIELab	89.95, -7.52, 25.68
CIELCh	90, 26.754, 106.316
Yxy	76.2019, 0.3484, 0.3853
Android (android.graphics.Color)	4293387697 (0xFFE7E5B1)
YUV	223.6700, -23.0083, 6.4284
Hunter-Lab	87.2937, -11.8551, 25.3310

Details

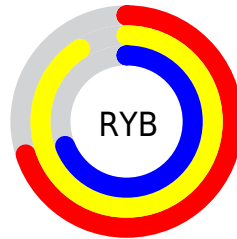
The XYZ color **68.9101, 76.2019, 52.6715** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.6752, 47.3557, 82.1766**, and the grayscale version is **70.7677, 74.4531, 81.0795**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **36.4533, 40.8413, 25.0306** is the 20% darker color. If you saturate the color by 10%, you get **66.5651, 74.8897, 41.4759**, and if you desaturate by 10%, it is **71.6500, 77.6791, 65.9234**.

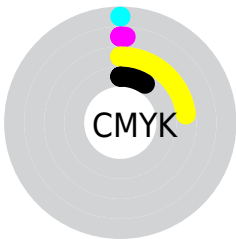
Distribution



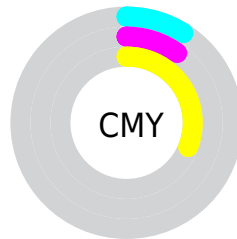
- Red (91%)
- Green (90%)
- Blue (69%)



- Red (70%)
- Yellow (91%)
- Blue (69%)



- Cyan (0%)
- Magenta (1%)
- Yellow (23%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9101, 76.2019, 52.6715 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 68.9101, 76.2019, 52.6715 by changing the saturation by 10% instead.

68.9101, 76.2019,
52.6715

68.9101, 76.2019,
52.6715

446.0402,
482.0386, 414.0540

50.9149, 56.5981,
37.1547

116.6879,
128.0123, 95.5575

36.3616, 40.6826,
25.0305

147.2013,
160.9876, 123.7637

24.8850, 28.0712,
15.8806

182.6180,
199.1889, 157.0367

16.1197, 18.3793,
9.2863

223.3035,
243.0005, 195.7952

9.7003, 11.2227,
4.8290

269.6231,
292.8069, 240.4576

5.2614, 6.2168,
2.0903

321.9422,

2.4378, 2.9774,

348.9925, 291.4425

0.6100

380.6261,
411.9415, 349.1685

■ 0.8640, 1.1199,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.9101, 76.2019,
52.6715

■ 68.9101, 76.2019,
52.6715

■ 66.5651, 74.8897,
41.4759

■ 71.6500, 77.6791,
65.9234

■ 64.5895, 73.7245,
32.2285

■ 74.7971, 79.3185,
81.3228

■ 62.9640, 72.7012,
24.8185

■ 78.3705, 81.1302,
98.9613

■ 61.6649, 71.8103,
19.1224

■ 79.9797, 82.1581,
106.2505

■ 60.6660, 71.0414,
15.0010

■ 80.2210, 82.6408,
106.3309

■ 59.9368, 70.3821,
12.2940

■ 80.4635, 83.1258,
106.4117

■ 59.4402, 69.8178,
10.8066

■ 80.7071, 83.6131,
106.4930

■ 59.2010, 69.4809,
10.2909

■ 80.9520, 84.1027,
106.5746

■ 81.1980, 84.5947,
106.6566

Harmonies

Analogous

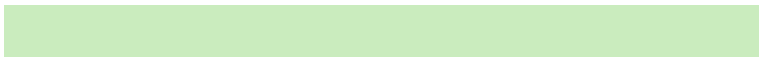
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4808, 76.2019, 52.3520



68.9101, 76.2019, 52.6715



63.6070, 76.2019, 60.2534

Triad

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



68.9101, 76.2019, 52.6715



63.9869, 76.2019, 112.2244



85.5126, 76.2019, 91.8970

Complementary

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



68.9101, 76.2019, 52.6715



48.6752, 47.3557, 82.1766

Split Complementary

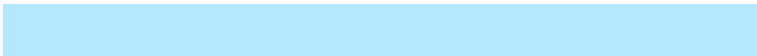
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.0282, 76.2019, 110.7823



68.9101, 76.2019, 52.6715



69.4579, 76.2019, 123.6704

Square

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



68.9101, 76.2019, 52.6715



60.8853, 76.2019, 93.6396



76.0628, 76.2019, 123.1056



85.3437, 76.2019, 73.1450

Rectangle

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



68.9101, 76.2019, 52.6715



61.3849, 76.2019, 69.1720



76.0628, 76.2019, 123.1056



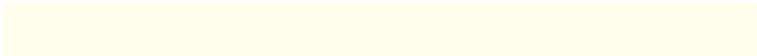
84.7211, 76.2019, 98.4928

Sweetspot

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



68.9121, 76.2053, 52.6731



92.0980, 98.4833, 94.3908



56.8855, 51.7172, 50.0053



19.6609, 21.0525, 19.9496



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.



68.9121, 76.2053, 52.6731



84.7744, 94.5529, 58.9103



62.1607, 73.5488, 52.5162



15.5536, 16.7211, 15.3122



33.2100, 38.9941, 5.7763



2.4684, 2.9102, 0.4316

Inverse Universe

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



48.6752, 47.3557, 82.1766



55.3304, 52.5788, 101.8402



54.3149, 49.6740, 82.3268



13.6253, 13.9720, 18.1231



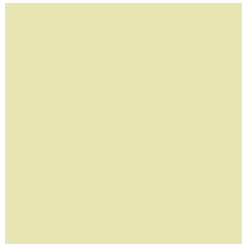
8.1577, 3.3776, 42.6052



0.6180, 0.2799, 3.1534

Previews

White Background



This preview shows how the XYZ color 68.9101, 76.2019, 52.6715 looks on a white background.

Color Contrast Check

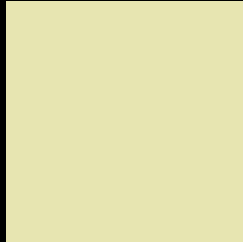
Large Text (above 18pt) WCAG AA × Fail

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 68.9101, 76.2019, 52.6715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

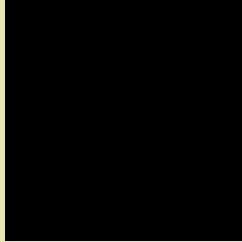
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

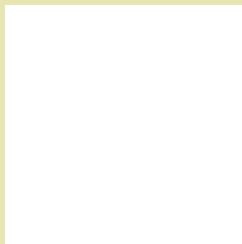
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9101, 76.2019, 52.6715

Background



This preview shows how black text looks on a background with the XYZ color 68.9101, 76.2019, 52.6715.



This preview shows how white text looks on a background with the XYZ color 68.9101, 76.2019,

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

68.9101, 76.2019, 52.6715

Protanopia

71.3085, 76.2281, 52.0294

Deuteranopia

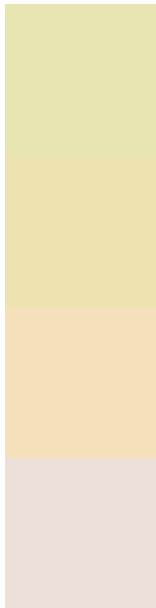
76.0859, 75.7288, 60.4761



Tritanopia

76.8857, 76.2367, 91.5518

Trichromacy



Original Color

68.9101, 76.2019, 52.6715

Protanomaly

70.2306, 76.0773, 52.0571

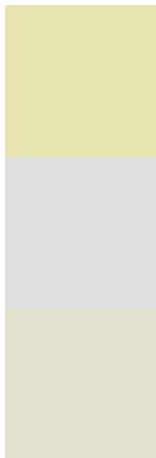
Deuteranomaly

73.3634, 75.9560, 57.8080

Tritanomaly

73.6424, 76.1020, 75.7735

Monochromacy



Original Color

68.9101, 76.2019, 52.6715

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.1374, 75.2286, 69.8554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9101, 76.2019, 52.6715 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(231, 229, 177)` looks like.

```
.text, #text, p{  
    color:rgb(231, 229, 177)  
}
```

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(231, 229, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 229, 177) }
```

Border

The CSS property to change the border of an element to XYZ 68.9101, 76.2019, 52.6715 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(231, 229, 177) }
```


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

```
.border{ border-color:rgb(231, 229, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 229, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 229, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 229, 177);  
box-shadow:4px 4px 4px 4px rgb(231, 229,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9101, 76.2019, 52.6715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 229, 177) }
```

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

```
.background{ background-color: rgb(231,  
229, 177) }
```

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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