

Converting Colors

XYZ(69.9040, 78.2191, 52.1863)

Have a look what the booklet for
XYZ(69.9040, 78.2191, 52.1863)
contains.

XYZ(69.8318, 78.3619, 52.0023)	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(69.8318, 78.3619,
52.0023)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E9AF
RGB	231, 233, 175
RGB Percent	91%, 91%, 69%
CMY	0.0941, 0.0863, 0.3137
CMYK	0.01, 0.00, 0.25, 0.09
HSL	62°, 57%, 80%
HSV	62°, 25%, 91%
XYZ	69.8318, 78.3619, 52.0023
YIQ	225.7900, 17.4260, -18.4620

Conversions

Conversions Part 2

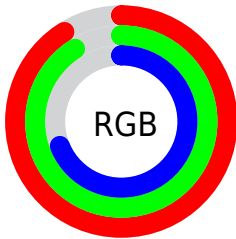
Format	Color
RYB	175, 233, 177
Decimal	15198639
CIELab	90.94, -9.80, 28.05
CIElCh	91, 29.716, 109.251
Yxy	78.3619, 0.3488, 0.3914
Android (android.graphics.Color)	4293388719 (0xFFE7E9AF)
YUV	225.7900, -25.0395, 4.5692
Hunter-Lab	88.5223, -14.1022, 27.1357

Details

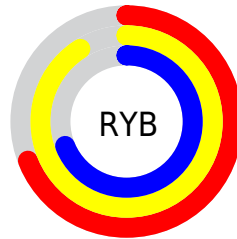
The XYZ color **69.8318, 78.3619, 52.0023** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.1724, 45.8923, 83.4143**, and the grayscale version is **72.3051, 76.0706, 82.8409**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **36.9142, 41.9634, 24.5665** is the 20% darker color. If you saturate the color by 10%, you get **67.4794, 77.3937, 40.9597**, and if you desaturate by 10%, it is **72.5844, 79.4957, 65.1280**.

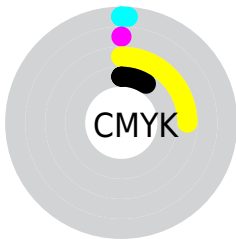
Distribution



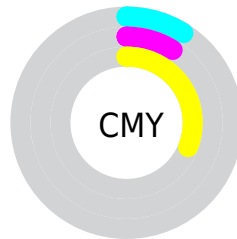
- Red (91%)
- Green (91%)
- Blue (69%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (25%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8318, 78.3619, 52.0023 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 69.8318, 78.3619, 52.0023 by changing the saturation by 10% instead.

■ 69.8318, 78.3619,
52.0023

■ 69.8318, 78.3619,
52.0023

449.2348,
489.3950, 411.4027

■ 51.6685, 58.3713,
36.6247

■ 117.9964,
131.0602, 94.5612

■ 36.9641, 42.1072,
24.6235

148.7285,
164.5366, 122.5796

■ 25.3533, 29.1853,
15.5803

184.3809,
203.2772, 155.6487

■ 16.4706, 19.2210,
9.0765

225.3189,
247.6662, 194.1869

■ 9.9507, 11.8301,
4.6936

271.9080,
298.0881, 238.6129

■ 5.4283, 6.6281,
2.0131

324.5134,

■ 2.5380, 3.2306,

354.9273, 289.3452

0.5633

383.5006,
418.5681, 346.8022

■ 0.9145, 1.2533,
0.0000

■ 0.0000, 0.1046,
0.0000

■ 69.8318, 78.3619,
52.0023

■ 69.8318, 78.3619,
52.0023

■ 67.4794, 77.3937,
40.9597

■ 72.5844, 79.4957,
65.1280

■ 65.5008, 76.5724,
31.8884

■ 75.7499, 80.7922,
80.4308

■ 63.8760, 75.8928,
24.6738

■ 79.3480, 82.2618,
98.0054

■ 62.5805, 75.3450,
19.1875

■ 81.1955, 83.0313,
106.3549

61.5870, 74.9182,
15.2846

81.4609, 83.1682,
106.3674

60.8634, 74.5995,
12.7969

81.7275, 83.3056,
106.3798

60.3705, 74.3732,
11.5182

81.9954, 83.4437,
106.3924

60.1764, 74.2807,
11.1660

82.2644, 83.5824,
106.4050

82.5347, 83.7217,
106.4176

Harmonies

Analogous

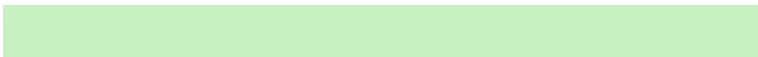
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1996, 78.3619, 50.8728



69.8318, 78.3619, 52.0023



64.0927, 78.3619, 61.1288

Triad

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



69.8318, 78.3619, 52.0023



65.4685, 78.3619, 120.5451



89.5471, 78.3619, 93.2504

Complementary

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



69.8318, 78.3619, 52.0023



48.1724, 45.8923, 83.4143

Split Complementary

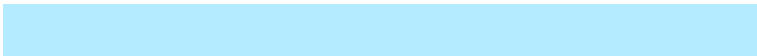
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9343, 78.3619, 115.1821



69.8318, 78.3619, 52.0023



71.8263, 78.3619, 132.6067

Square

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



69.8318, 78.3619, 52.0023



61.6928, 78.3619, 99.6592



79.3313, 78.3619, 130.4944



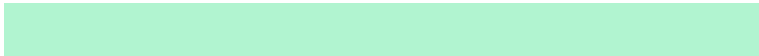
88.9237, 78.3619, 72.4317

Rectangle

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



69.8318, 78.3619, 52.0023



61.8065, 78.3619, 71.5266



79.3313, 78.3619, 130.4944



88.7788, 78.3619, 100.7879

Sweetspot

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



69.8338, 78.3654, 52.0040



92.0813, 98.7863, 94.4502



57.0537, 51.8387, 47.5574



19.6570, 21.1230, 19.9634



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.



69.8338, 78.3654, 52.0040



84.1198, 95.5163, 56.3861



61.2549, 73.9428, 51.6025



16.2975, 17.5989, 16.0567



34.1663, 42.1578, 6.3365



2.6990, 3.3187, 0.4983

Inverse Universe

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



48.1724, 45.8923, 83.4143



53.1601, 49.1014, 101.2834



55.4755, 49.6572, 83.7561



14.2793, 14.5738, 18.9827



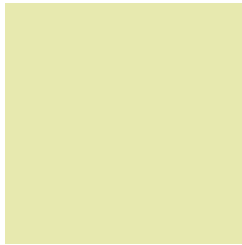
8.4240, 3.3786, 43.9511



0.6785, 0.2741, 3.4520

Previews

White Background



This preview shows how the XYZ color 69.8318, 78.3619, 52.0023 looks on a white background.

Color Contrast Check

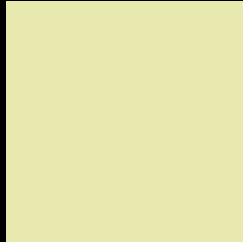
Large Text (above 18pt) WCAG AA × Fail

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 69.8318, 78.3619, 52.0023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

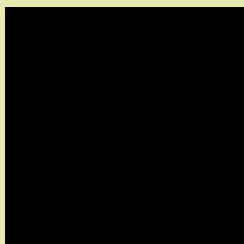
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

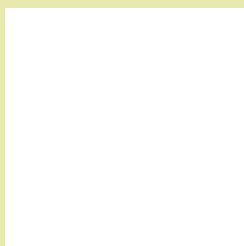
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8318, 78.3619, 52.0023

Background



This preview shows how black text looks on a background with the XYZ color 69.8318, 78.3619, 52.0023.

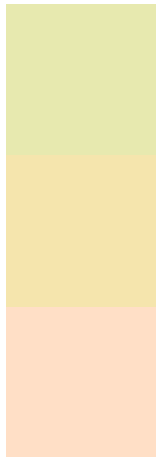


This preview shows how white text looks on a background with the XYZ color 69.8318, 78.3619,

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

69.8318, 78.3619, 52.0023

Protanopia

73.2183, 78.4682, 50.8220

Deuteranopia

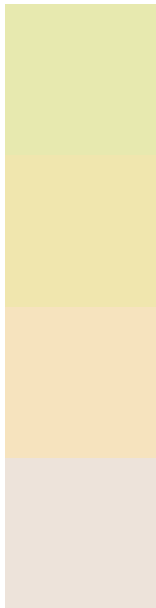
77.8207, 78.1126, 64.4017



Tritanopia

78.6178, 78.2474, 94.9640

Trichromacy



Original Color

69.8318, 78.3619, 52.0023

Protanomaly

71.8720, 78.1749, 51.3456

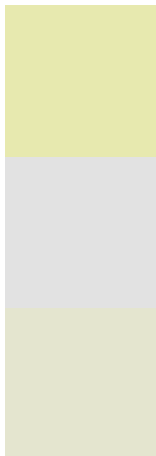
Deuteranomaly

74.7694, 78.2487, 59.8779

Tritanomaly

75.0490, 78.0047, 77.4306

Monochromacy



Original Color

69.8318, 78.3619, 52.0023

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.2767, 77.0376, 70.1445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8318, 78.3619, 52.0023 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, 233, 175)` looks like.

```
.text, #text, p{  
    color:rgb(231, 233, 175)  
}
```

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, 233, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 233, 175) }
```

Border

The CSS property to change the border of an element to XYZ 69.8318, 78.3619, 52.0023 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, 233, 175) }
```


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

```
.border{ border-color:rgb(231, 233, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 233, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 233, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 233, 175); box-shadow:4px 4px 4px 4px rgb(231, 233, 175) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8318, 78.3619, 52.0023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 233, 175) }
```

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

```
.background{ background-color: rgb(231,  
233, 175) }
```

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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