

Converting Colors

XYZ(62.1807, 70.5886, 18.1951)

Have a look what the booklet for
XYZ(62.1807, 70.5886, 18.1951)
contains.

XYZ(62.1986, 70.6695, 18.1469)	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(62.1986, 70.6695,
18.1469)**

Conversions

Conversions Part 1

Format	Color
Hex	ECDE51
RGB	236, 222, 81
RGB Percent	93%, 87%, 32%
CMY	0.0745, 0.1294, 0.6823
CMYK	0.00, 0.06, 0.66, 0.07
HSL	55°, 80%, 62%
HSV	55°, 66%, 93%
XYZ	62.1986, 70.6695, 18.1469
YIQ	210.1120, 53.6050, -40.8830

Conversions

Conversions Part 2

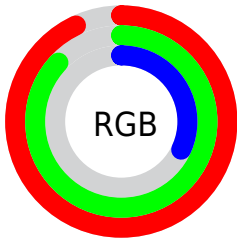
Format	Color
RYB	96, 236, 81
Decimal	15523409
CIELab	87.32, -11.27, 68.08
CIELCh	87, 69.008, 99.398
Yxy	70.6695, 0.4119, 0.4680
Android (android.graphics.Color)	4293713489 (0xFFECDE51)
YUV	210.1120, -63.6522, 22.7038
Hunter-Lab	84.0652, -15.0444, 46.0468

Details

The XYZ color **62.1986, 70.6695, 18.1469** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **22.6260, 15.9896, 81.2504**, and the grayscale version is **61.7143, 64.9282, 70.7068**.

A 20% lighter version of the original color is **81.5154, 94.5861, 37.6275**, and **32.0294, 37.0163, 5.8722** is the 20% darker color. If you saturate the color by 10%, you get **60.9011, 69.2534, 14.0814**, and if you desaturate by 10%, it is **63.8139, 72.2295, 23.8365**.

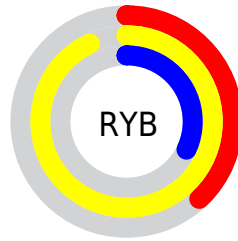
Distribution



Red (93%)

Green (87%)

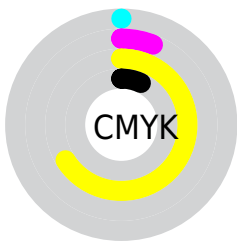
Blue (32%)



Red (38%)

Yellow (93%)

Blue (32%)

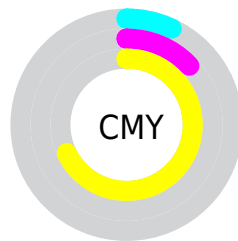


Cyan (0%)

Magenta (6%)

Yellow (66%)

Black (7%)



Cyan (7%)


Magenta (13%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.1986, 70.6695, 18.1469 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 62.1986, 70.6695, 18.1469 by changing the saturation by 10% instead.


 62.1986, 70.6695,
18.1469

 62.1986, 70.6695,
18.1469


422.3612,
462.8973, 253.9616

 45.4494, 52.0725,
10.8850


 107.1008,
120.1630, 41.1048


 32.0143, 37.0629,
5.8763


 135.9846,
151.8283, 57.6378

 21.5280, 25.2562,
2.7025


 169.6439,
188.6186, 78.0983

 13.6252, 16.2680,
0.9447

 208.4441,
230.9181, 102.9048

 7.9404, 9.7140,
0.0000

252.7506,
279.1114, 132.4759

 4.1083, 5.2098,
0.0000

302.9287,

 1.7636, 2.3709,

333.5827, 167.2300

0.0000

359.3438,
394.7165, 207.5857

■ 0.4956, 0.8108,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.1986, 70.6695,
18.1469

■ 62.1986, 70.6695,
18.1469

■ 60.9011, 69.2534,
14.0814

■ 63.8139, 72.2295,
23.8365

■ 59.8832, 67.9578,
11.4596

■ 65.7709, 73.9350,
31.2970

■ 59.1050, 66.7695,
10.0657

■ 68.0965, 75.7996,
40.6634

■ 58.8143, 66.2775,
9.6930

■ 70.8138, 77.8323,
52.0567

■ 73.9438, 80.0418,
65.5877

■ 77.5062, 82.4358,
81.3591

■ 81.5191, 85.0217,
99.4673

■ 83.5235, 86.8160,
106.9627

■ 84.1512, 88.0713,
107.1720

Harmonies

Analogous

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



78.7656, 70.6695, 19.9268



62.1986, 70.6695, 18.1469



49.2369, 70.6695, 26.4676

Triad

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



62.1986, 70.6695, 18.1469



45.8152, 70.6695, 148.8006



100.8394, 70.6695, 112.8952

Complementary

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



62.1986, 70.6695, 18.1469



22.6260, 15.9896, 81.2504

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.



88.9996, 70.6695, 168.7954



62.1986, 70.6695, 18.1469



56.7709, 70.6695, 194.6671

Square

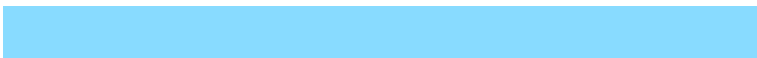
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.1986, 70.6695, 18.1469



40.8343, 70.6695, 92.4921



72.3979, 70.6695, 203.1772



102.9221, 70.6695, 63.2494

Rectangle

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



62.1986, 70.6695, 18.1469



43.7196, 70.6695, 39.8125



72.3979, 70.6695, 203.1772



97.7872, 70.6695, 132.0349

Sweetspot

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



62.2002, 70.6728, 18.1483



86.4478, 94.2370, 70.7600



39.6693, 24.5721, 13.8404



18.2805, 20.0125, 14.1842



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.



62.2002, 70.6728, 18.1483



72.1253, 81.9821, 15.4576



48.9366, 69.5837, 18.6372



16.2289, 17.3808, 16.0182



32.4697, 36.6335, 5.3596



2.5837, 2.9448, 0.4322

Inverse Universe

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



22.6260, 15.9896, 81.2504



21.8477, 12.5927, 95.8869



29.4111, 17.7815, 81.2386



14.3405, 14.7675, 19.0168



8.5361, 3.7192, 44.0109



0.7078, 0.3671, 3.4684

Previews

White Background



This preview shows how the XYZ color 62.1986, 70.6695, 18.1469 looks on a white background.

Color Contrast Check

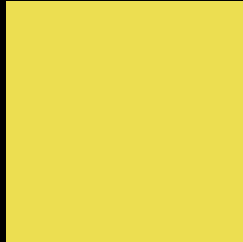
Large Text (above 18pt) WCAG AA × Fail

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 62.1986, 70.6695, 18.1469 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 62.1986, 70.6695, 18.1469

Background



This preview shows how black text looks on a background with the XYZ color 62.1986, 70.6695, 18.1469.



This preview shows how white text looks on a background with the XYZ color 62.1986, 70.6695,

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

62.1986, 70.6695, 18.1469

Protanopia

64.0877, 70.4753, 17.8147

Deuteranopia

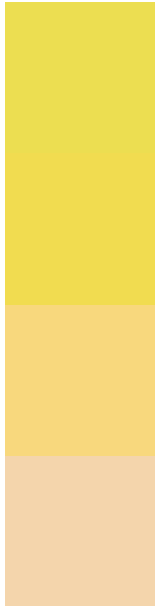
70.2885, 70.5490, 38.7669



Tritanopia

74.7218, 70.4500, 80.1810

Trichromacy



Original Color

62.1986, 70.6695, 18.1469

Protanomaly

63.3168, 70.4664, 17.8536

Deuteranomaly

66.9689, 70.5489, 29.4897

Tritanomaly

68.5489, 69.8002, 48.8896

Monochromacy



Original Color

62.1986, 70.6695, 18.1469

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.8708, 65.7975, 44.1950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.1986, 70.6695, 18.1469 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(236, 222, 81)` looks like.

```
.text, #text, p{  
    color:rgb(236, 222, 81)  
}
```

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(236, 222, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 222, 81) }
```

Border

The CSS property to change the border of an element to XYZ 62.1986, 70.6695, 18.1469 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(236, 222, 81) }
```


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

```
.border{ border-color:rgb(236, 222, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 222, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 222, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 222, 81);  
box-shadow:4px 4px 4px 4px rgb(236, 222,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 62.1986, 70.6695, 18.1469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 222, 81) }
```

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

```
.background{ background-color: rgb(236,  
222, 81) }
```

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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