

Converting Colors

XYZ(58.3300, 71.7248, 23.3392)

Have a look what the booklet for
XYZ(58.3300, 71.7248, 23.3392)
contains.

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Color

**XYZ(58.4266, 71.8491,
23.3592)**

Conversions

Conversions Part 1

Format	Color
Hex	D6E666
RGB	214, 230, 102
RGB Percent	84%, 90%, 40%
CMY	0.1608, 0.0980, 0.6000
CMYK	0.07, 0.00, 0.56, 0.10
HSL	68°, 72%, 65%
HSV	68°, 56%, 90%
XYZ	58.4266, 71.8491, 23.3592
YIQ	210.6240, 31.5520, -43.2000

Conversions

Conversions Part 2

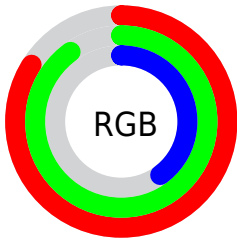
Format	Color
RYB	102, 230, 118
Decimal	14083686
CIELab	87.90, -22.69, 59.40
CIELCh	88, 63.589, 110.907
Yxy	71.8491, 0.3803, 0.4677
Android (android.graphics.Color)	4292273766 (0xFFD6E666)
YUV	210.6240, -53.5516, 2.9608
Hunter-Lab	84.7638, -25.2990, 42.9956

Details

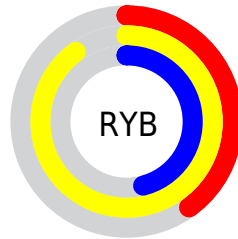
The XYZ color **58.4266, 71.8491, 23.3592** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.5081, 19.0692, 77.1509**, and the grayscale version is **61.9978, 65.2266, 71.0317**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **29.7477, 38.0333, 8.4626** is the 20% darker color. If you saturate the color by 10%, you get **56.6091, 71.0286, 18.1240**, and if you desaturate by 10%, it is **60.5787, 72.8104, 30.2644**.

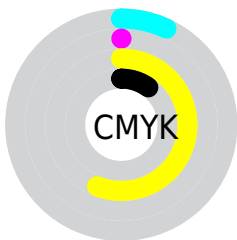
Distribution



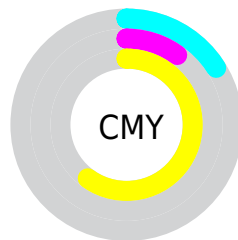
- Red (84%)
- Green (90%)
- Blue (40%)



- Red (40%)
- Yellow (90%)
- Blue (46%)



- Cyan (7%)
- Magenta (0%)
- Yellow (56%)
- Black (10%)



- Cyan (16%)
- Magenta (10%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4266, 71.8491, 23.3592 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 58.4266, 71.8491, 23.3592 by changing the saturation by 10% instead.

■ 58.4266, 71.8491,
23.3592

■ 58.4266, 71.8491,
23.3592

408.7020,
467.0162, 282.7461

■ 42.3963, 53.0354,
14.6512

■ 101.6632,
121.8420, 49.9131

■ 29.6042, 37.8310,
8.4310

■ 129.6003,
153.7899, 68.5961

■ 19.6849, 25.8516,
4.2803

■ 162.2369,
190.8848, 91.4411

■ 12.2732, 16.7126,
1.7803

■ 199.9385,
233.5109, 118.8667

■ 7.0035, 10.0298,
0.4149

243.0705,
282.0528, 151.2915

■ 3.5106, 5.4187,
0.0000

291.9982,

■ 1.4292, 2.4950,

336.8946, 189.1340

0.0000

347.0869,
398.4210, 232.8126

0.2769, 0.8741,
0.0000

0.0000, 0.0000,
0.0000

58.4266, 71.8491,
23.3592

58.4266, 71.8491,
23.3592

56.6091, 71.0286,
18.1240

60.5787, 72.8104,
30.2644

55.0943, 70.3282,
14.4126


63.0843, 73.9121,
38.9605


53.8523, 69.7387,
12.0616


65.9666, 75.1664,
49.5625

52.8445, 69.2445,
10.8675

69.2455, 76.5810,
62.1744

 52.4515, 69.0483,
10.5632

 72.9394, 78.1633,
76.8928

 77.0656, 79.9203,
93.8080

 80.3238, 81.3318,
106.0728

 81.2765, 81.8230,
106.1174

 82.2447, 82.3221,
106.1627

Harmonies

Analogous

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



72.9920, 71.8491, 21.4321



58.4266, 71.8491, 23.3592



48.1093, 71.8491, 36.5778

Triad

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



58.4266, 71.8491, 23.3592



51.5397, 71.8491, 162.3441



101.2314, 71.8491, 92.1512

Complementary

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



58.4266, 71.8491, 23.3592



26.5081, 19.0692, 77.1509

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.



93.4479, 71.8491, 143.4057



58.4266, 71.8491, 23.3592



63.7952, 71.8491, 192.7041

Square

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



58.4266, 71.8491, 23.3592



44.5603, 71.8491, 111.8868



79.2062, 71.8491, 184.7223



99.2300, 71.8491, 52.1083

Rectangle

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



58.4266, 71.8491, 23.3592



44.3238, 71.8491, 54.0209



79.2062, 71.8491, 184.7223



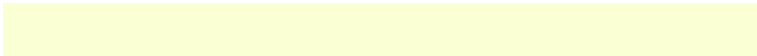
99.6345, 71.8491, 108.7711

Sweetspot

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



58.4283, 71.8524, 23.3607



86.8732, 96.5021, 76.1042



41.3875, 30.4913, 16.2754



18.4096, 20.5758, 15.5716



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.



58.4283, 71.8524, 23.3607



71.1782, 89.5932, 21.9601



43.4726, 64.1424, 22.6608



15.4149, 16.7210, 15.3195



29.7650, 39.1259, 5.9833



2.2495, 2.9170, 0.4445

Inverse Universe

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



26.5081, 19.0692, 77.1509



27.1183, 16.6185, 96.3861



38.0771, 25.0333, 77.6923



13.7495, 13.9731, 18.1167



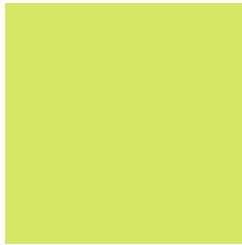
8.4242, 3.4087, 42.5971



0.6774, 0.2802, 3.1503

Previews

White Background



This preview shows how the XYZ color 58.4266, 71.8491, 23.3592 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 58.4266, 71.8491, 23.3592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

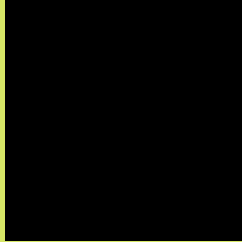
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4266, 71.8491, 23.3592

Background



This preview shows how black text looks on a background with the XYZ color 58.4266, 71.8491, 23.3592.



This preview shows how white text looks on a background with the XYZ color 58.4266, 71.8491,

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

58.4266, 71.8491, 23.3592

Protanopia

65.1536, 71.3203, 22.1366

Deuteranopia

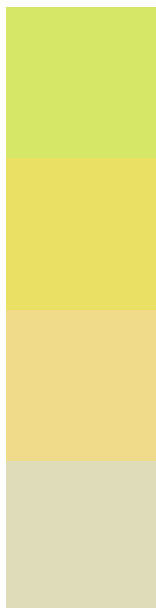
71.2058, 71.3171, 42.3604



Tritanopia

71.2588, 71.4889, 87.1338

Trichromacy



Original Color

58.4266, 71.8491, 23.3592

Protanomaly

62.5602, 71.5550, 22.5708

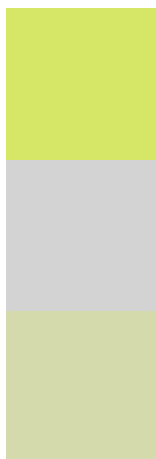
Deuteranomaly

65.8541, 71.0233, 34.2827

Tritanomaly

65.0448, 70.9037, 56.1565

Monochromacy



Original Color

58.4266, 71.8491, 23.3592

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

59.5735, 67.0801, 48.3360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4266, 71.8491, 23.3592 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(214, 230, 102)` looks like.

```
.text, #text, p{  
    color:rgb(214, 230, 102)  
}
```

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(214, 230, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 230, 102) }
```

Border

The CSS property to change the border of an element to XYZ 58.4266, 71.8491, 23.3592 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(214, 230, 102) }
```


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

```
.border{ border-color:rgb(214, 230, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 230, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 230, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 230, 102);  
box-shadow:4px 4px 4px 4px rgb(214, 230,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4266, 71.8491, 23.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 230, 102) }
```

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

```
.background{ background-color: rgb(214,  
230, 102) }
```

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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