

Converting Colors

XYZ(59.8892, 72.8191, 20.1319)

Have a look what the booklet for
XYZ(59.8892, 72.8191, 20.1319)
contains.

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Color

**XYZ(59.8771, 72.6704,
20.1034)**

Conversions

Conversions Part 1

Format	Color
Hex	DDE658
RGB	221, 230, 88
RGB Percent	87%, 90%, 35%
CMY	0.1333, 0.0980, 0.6549
CMYK	0.04, 0.00, 0.62, 0.10
HSL	64°, 74%, 62%
HSV	64°, 62%, 90%
XYZ	59.8771, 72.6704, 20.1034
YIQ	211.1210, 40.2180, -46.0700

Conversions

Conversions Part 2

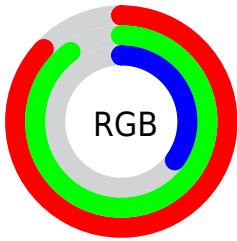
Format	Color
RYB	88, 230, 97
Decimal	14542424
CIELab	88.29, -20.90, 65.93
CIELCh	88, 69.160, 107.591
Yxy	72.6704, 0.3922, 0.4761
Android (android.graphics.Color)	4292732504 (0xFFDDE658)
YUV	211.1210, -60.6987, 8.6639
Hunter-Lab	85.2469, -23.8045, 45.6908

Details

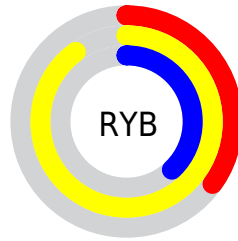
The XYZ color **59.8771, 72.6704, 20.1034** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **22.7047, 15.2356, 76.6115**, and the grayscale version is **62.3687, 65.6167, 71.4566**.

A 20% lighter version of the original color is **81.9579, 94.7632, 39.9581**, and **30.6321, 38.5256, 6.8586** is the 20% darker color. If you saturate the color by 10%, you get **58.6291, 72.1228, 15.8326**, and if you desaturate by 10%, it is **61.4328, 73.3469, 25.9598**.

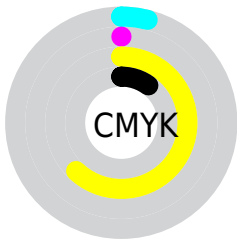
Distribution



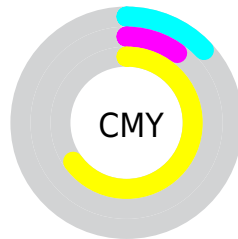
- Red (87%)
- Green (90%)
- Blue (35%)



- Red (35%)
- Yellow (90%)
- Blue (38%)



- Cyan (4%)
- Magenta (0%)
- Yellow (62%)
- Black (10%)





- Cyan (13%)
- Magenta (10%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8771, 72.6704, 20.1034 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 59.8771, 72.6704, 20.1034 by changing the saturation by 10% instead.


 59.8771, 72.6704,
20.1034

 59.8771, 72.6704,
20.1034


413.9866,
469.8717, 265.0971

 43.5687, 53.7065,
12.2854


 103.7587,
123.0092, 44.4517


 30.5280, 38.3671,
6.8135


 132.0626,
155.1529, 61.8191

 20.3898, 26.2677,
3.2690


 165.0957,
192.4586, 83.2068

 12.7886, 17.0240,
1.2336

 203.2234,
235.3107, 109.0331

 7.3591, 10.2516,
0.0064

246.8109,
284.0937, 139.7168

 3.7360, 5.5661,
0.0000

296.2238,

 1.5539, 2.5831,

339.1920, 175.6763

0.0000

351.8272,
400.9898, 217.3302

■ 0.3621, 0.9182,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.8771, 72.6704,
20.1034

■ 59.8771, 72.6704,
20.1034

■ 58.6291, 72.1228,
15.8326

■ 61.4328, 73.3469,
25.9598

■ 57.6544, 71.6823,
12.9881

■ 63.3168, 74.1525,
33.5319

■ 56.9195, 71.3381,
11.3858

■ 65.5535, 75.0996,
42.9416

■ 56.4457, 71.1074,
10.7501

■ 68.1639, 76.1966,
54.2983

■ 71.1670, 77.4512,
67.7031

■ 74.5808, 78.8705,
83.2498

■ 78.4219, 80.4612,
101.0267

■ 79.8452, 81.0852,
106.0505

■ 80.3225, 81.3312,
106.0728

Harmonies

Analogous

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



76.1504, 72.6704, 19.2583



59.8771, 72.6704, 20.1034



48.1050, 72.6704, 32.1421

Triad

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



59.8771, 72.6704, 20.1034



49.7245, 72.6704, 167.4957



105.1188, 72.6704, 100.4108

Complementary

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



59.8771, 72.6704, 20.1034



22.7047, 15.2356, 76.6115

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.



95.3849, 72.6704, 158.0540



59.8771, 72.6704, 20.1034



62.4446, 72.6704, 205.9842

Square

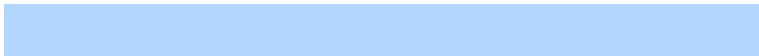
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.8771, 72.6704, 20.1034



42.9209, 72.6704, 110.0516



79.1610, 72.6704, 201.9668



104.1347, 72.6704, 54.6152

Rectangle

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



59.8771, 72.6704, 20.1034



43.5917, 72.6704, 49.1746



79.1610, 72.6704, 201.9668



102.9344, 72.6704, 119.2832

Sweetspot

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



59.8788, 72.6737, 20.1049



87.0860, 96.6848, 72.8156



38.4983, 25.7319, 12.1711



18.4182, 20.6017, 14.6044



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.



59.8788, 72.6737, 20.1049



73.7254, 90.9772, 18.8754



42.9912, 63.9679, 19.3146



15.5066, 16.7682, 15.3238



31.9942, 40.2751, 6.0876



2.3917, 2.9903, 0.4511

Inverse Universe

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



22.7047, 15.2356, 76.6115



23.1797, 12.7826, 95.8533



33.5218, 20.8120, 77.1177



13.6670, 13.9306, 18.1129



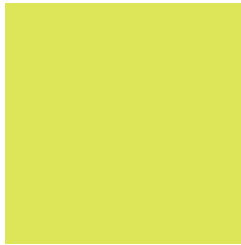
8.2285, 3.3078, 42.5880



0.6380, 0.2599, 3.1485

Previews

White Background



This preview shows how the XYZ color 59.8771, 72.6704, 20.1034 looks on a white background.

Color Contrast Check

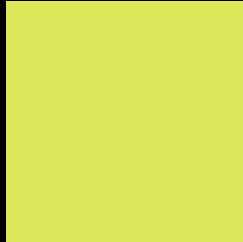
Large Text (above 18pt) WCAG AA × Fail

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 59.8771, 72.6704, 20.1034 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 59.8771, 72.6704, 20.1034

Background



This preview shows how black text looks on a background with the XYZ color 59.8771, 72.6704, 20.1034.



This preview shows how white text looks on a background with the XYZ color 59.8771, 72.6704,

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

59.8771, 72.6704, 20.1034

Protanopia

66.1588, 72.6886, 19.3475

Deuteranopia

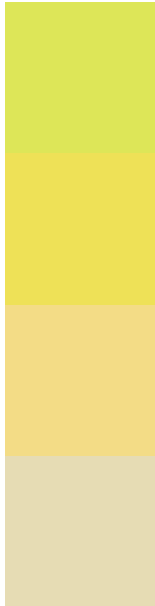
71.8856, 72.3989, 43.4433



Tritanopia

73.1269, 72.0892, 86.4043

Trichromacy



Original Color

59.8771, 72.6704, 20.1034

Protanomaly

63.9054, 72.7157, 19.6842

Deuteranomaly

66.8584, 71.9623, 32.9206

Tritanomaly

66.4645, 71.3047, 53.4401

Monochromacy



Original Color

59.8771, 72.6704, 20.1034

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

59.9787, 67.3431, 45.9137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8771, 72.6704, 20.1034 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(221, 230, 88)` looks like.

```
.text, #text, p{  
    color:rgb(221, 230, 88)  
}
```

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(221, 230, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 230, 88) }
```

Border

The CSS property to change the border of an element to XYZ 59.8771, 72.6704, 20.1034 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(221, 230, 88) }
```


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

```
.border{ border-color:rgb(221, 230, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 230, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 230, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 230, 88);  
box-shadow:4px 4px 4px 4px rgb(221, 230,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8771, 72.6704, 20.1034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 230, 88) }
```

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

```
.background{ background-color: rgb(221,  
230, 88) }
```

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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