

Converting Colors

XYZ(60.5982, 72.0587, 18.8872)

Have a look what the booklet for
XYZ(60.5982, 72.0587, 18.8872)
contains.

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Color

**XYZ(60.6688, 72.2801,
18.9375)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E453
RGB	226, 228, 83
RGB Percent	89%, 89%, 33%
CMY	0.1137, 0.1059, 0.6745
CMYK	0.01, 0.00, 0.64, 0.11
HSL	61°, 73%, 61%
HSV	61°, 64%, 89%
XYZ	60.6688, 72.2801, 18.9375
YIQ	210.8720, 45.3530, -45.5190

Conversions

Conversions Part 2

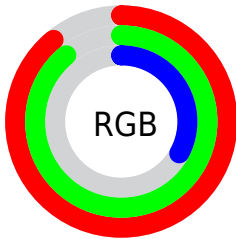
Format	Color
RYB	83, 228, 85
Decimal	14869587
CIELab	88.10, -18.22, 67.85
CIELCh	88, 70.251, 105.028
Yxy	72.2801, 0.3994, 0.4759
Android (android.graphics.Color)	4293059667 (0xFFE2E453)
YUV	210.8720, -63.0409, 13.2673
Hunter-Lab	85.0177, -21.4030, 46.3057

Details

The XYZ color **60.6688, 72.2801, 18.9375** 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 **20.8454, 13.7208, 74.9529**, and the grayscale version is **62.2163, 65.4564, 71.2820**.

A 20% lighter version of the original color is **81.6602, 94.6441, 38.3903**, and **30.9811, 38.1431, 6.2598** is the 20% darker color. If you saturate the color by 10%, you get **59.8311, 71.9363, 15.0350**, and if you desaturate by 10%, it is **61.7994, 72.7465, 24.3669**.

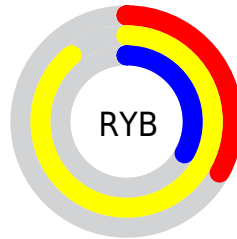
Distribution



Red (89%)

Green (89%)

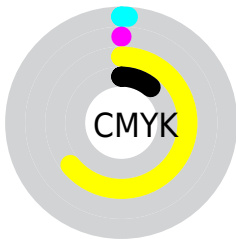
Blue (33%)



Red (33%)

Yellow (89%)

Blue (33%)

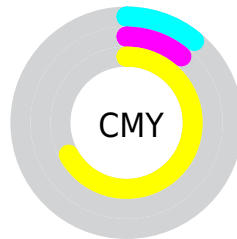


Cyan (1%)

Magenta (0%)

Yellow (64%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.6688, 72.2801, 18.9375 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 60.6688, 72.2801, 18.9375 by changing the saturation by 10% instead.

60.6688, 72.2801,
18.9375

60.6688, 72.2801,
18.9375

416.8539,
468.5159, 258.5147

44.2095, 53.3875,
11.4488

104.9001,
122.4547, 42.4638

31.0338, 38.1122,
6.2516

133.4027,
154.5055, 59.3384

20.7766, 26.0698,
2.9274

166.6505,
191.7111, 80.1787

13.0723, 16.8759,
1.0577

205.0088,
234.4560, 105.4032

7.5557, 10.1460,
0.0000

248.8429,
283.1245, 135.4306

3.8614, 5.4959,
0.0000

298.5182,

1.6240, 2.5410,

338.1011, 170.6792

0.0000

354.4001,
399.7701, 211.5678

■ 0.4080, 0.8971,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.6688, 72.2801,
18.9375

■ 60.6688, 72.2801,
18.9375

■ 59.8311, 71.9363,
15.0350

■ 61.7994, 72.7465,
24.3669

■ 59.2517, 71.6931,
12.4989

■ 63.2435, 73.3356,
31.4537

■ 58.8964, 71.5396,
11.1416

■ 65.0256, 74.0599,
40.3193

■ 58.7500, 71.4738,
10.6994

■ 67.1664, 74.9277,
51.0728

■ 69.6849, 75.9466,
63.8144

■ 72.5988, 77.1237,
78.6371

■ 75.9247, 78.4657,
95.6285

■ 77.9564, 79.2899,
105.8035

■ 78.0569, 79.3417,
105.8082

Harmonies

Analogous

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



77.3781, 72.2801, 18.9286



60.6688, 72.2801, 18.9375



48.3079, 72.2801, 29.7896

Triad

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



60.6688, 72.2801, 18.9375



48.3252, 72.2801, 163.8487



104.8237, 72.2801, 105.0708

Complementary

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



60.6688, 72.2801, 18.9375



20.8454, 13.7208, 74.9529

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.



94.1488, 72.2801, 163.7462



60.6688, 72.2801, 18.9375



60.6964, 72.2801, 205.9828

Square

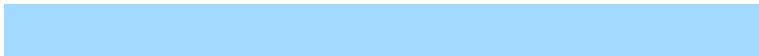
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.6688, 72.2801, 18.9375



42.0112, 72.2801, 105.1750



77.4106, 72.2801, 205.9391



104.8131, 72.2801, 57.0896

Rectangle

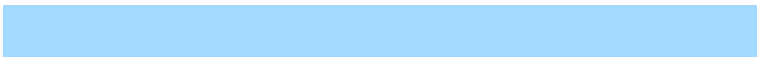
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.6688, 72.2801, 18.9375



43.4047, 72.2801, 45.7785



77.4106, 72.2801, 205.9391



102.2981, 72.2801, 124.5164

Sweetspot

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



60.6705, 72.2834, 18.9390



87.9613, 97.1361, 72.8565



36.6520, 23.3068, 10.7515



18.6334, 20.7126, 14.6145



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.



60.6705, 72.2834, 18.9390



76.8679, 92.6140, 18.2681



42.9214, 63.1334, 18.1083



15.5809, 16.8065, 15.3272



33.9313, 41.2737, 6.1783



2.5138, 3.0533, 0.4568

Inverse Universe

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



20.8454, 13.7208, 74.9529



21.8361, 11.6649, 95.7084



30.7128, 18.8077, 75.4147



13.6012, 13.8966, 18.1098



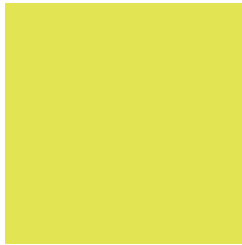
8.1171, 3.2504, 42.5827



0.6064, 0.2436, 3.1470

Previews

White Background



This preview shows how the XYZ color 60.6688, 72.2801, 18.9375 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 60.6688, 72.2801, 18.9375 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 60.6688, 72.2801, 18.9375

Background



This preview shows how black text looks on a background with the XYZ color 60.6688, 72.2801, 18.9375.

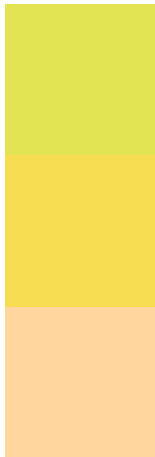


This preview shows how white text looks on a background with the XYZ color 60.6688, 72.2801,

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

60.6688, 72.2801, 18.9375

Protanopia

65.6994, 72.0811, 18.2349

Deuteranopia

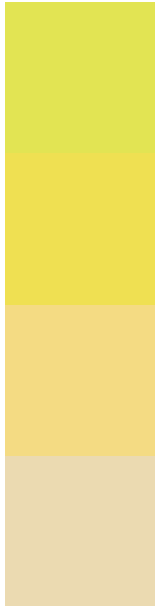
71.4581, 71.8218, 42.4445



Tritanopia

74.0124, 71.8269, 84.8260

Trichromacy



Original Color

60.6688, 72.2801, 18.9375

Protanomaly

63.7752, 72.2712, 18.5711

Deuteranomaly

66.7365, 71.5348, 31.7629

Tritanomaly

67.2682, 70.9793, 51.7499

Monochromacy



Original Color

60.6688, 72.2801, 18.9375

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

59.8326, 66.9050, 44.8824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.6688, 72.2801, 18.9375 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(226, 228, 83)` looks like.

```
.text, #text, p{  
    color:rgb(226, 228, 83)  
}
```

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(226, 228, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 228, 83) }
```

Border

The CSS property to change the border of an element to XYZ 60.6688, 72.2801, 18.9375 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(226, 228, 83) }
```


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

```
.border{ border-color:rgb(226, 228, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 228, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 228, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 228, 83);  
box-shadow:4px 4px 4px 4px rgb(226, 228,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 60.6688, 72.2801, 18.9375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 228, 83) }
```

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

```
.background{ background-color: rgb(226,  
228, 83) }
```

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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