

Converting Colors

XYZ(68.1727, 72.9822, 17.5150)

Have a look what the booklet for
XYZ(68.1727, 72.9822, 17.5150)
contains.

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Color

**XYZ(68.1728, 72.9822,
17.5151)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDC4D
RGB	255, 220, 77
RGB Percent	100%, 86%, 30%
CMY	0.0000, 0.1372, 0.6980
CMYK	0.00, 0.14, 0.70, 0.00
HSL	48°, 100%, 65%
HSV	48°, 70%, 100%
XYZ	68.1728, 72.9822, 17.5151
YIQ	214.1630, 66.7630, -37.0530

Conversions

Conversions Part 2

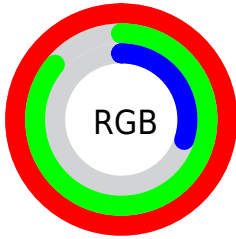
Format	Color
RYB	121, 255, 77
Decimal	16768077
CIELab	88.44, -2.60, 71.30
CIElCh	88, 71.344, 92.088
Yxy	72.9822, 0.4297, 0.4600
Android (android.graphics.Color)	4294958157 (0xFFFFDC4D)
YUV	214.1630, -67.6214, 35.8140
Hunter-Lab	85.4296, -7.0589, 47.6449

Details

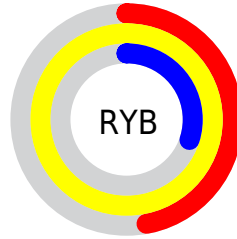
The XYZ color **68.1728, 72.9822, 17.5151** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **26.9048, 20.3858, 97.1241**, and the grayscale version is **64.4379, 67.7937, 73.8273**.

A 20% lighter version of the original color is **81.2336, 94.4735, 36.1440**, and **35.7087, 38.3818, 5.5551** is the 20% darker color. If you saturate the color by 10%, you get **66.1473, 70.1010, 13.2352**, and if you desaturate by 10%, it is **70.5938, 76.0904, 23.6683**.

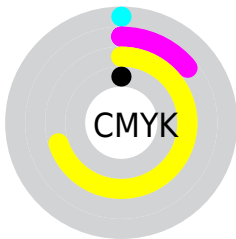
Distribution



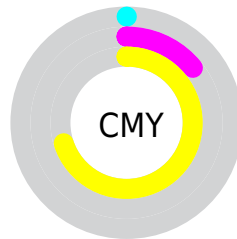
- Red (100%)
- Green (86%)
- Blue (30%)



- Red (47%)
- Yellow (100%)
- Blue (30%)



- Cyan (0%)
- Magenta (14%)
- Yellow (70%)
- Black (0%)



- Cyan (0%)
- Magenta (14%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1728, 72.9822, 17.5151 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 68.1728, 72.9822, 17.5151 by changing the saturation by 10% instead.

68.1728, 72.9822,
17.5151

68.1728, 72.9822,
17.5151

443.4751,
470.9531, 250.2672

50.3125, 53.9614,
10.4366

115.6399,
123.4519, 40.0120

35.8806, 38.5708,
5.5800

145.9774,
155.6697, 56.2675

24.5117, 26.4260,
2.5268

181.2046,
193.0552, 76.4191

15.8404, 17.1426,
0.8543

221.6870,
235.9929, 100.8853

9.5014, 10.3362,
0.0000

267.7899,
284.8671, 130.0847

5.1294, 5.6224,
0.0000

319.8787,

2.3589, 2.6169,

340.0623, 164.4358

0.0000

378.3186,
401.9628, 204.3571

■ 0.8246, 0.9352,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.1728, 72.9822,
17.5151

■ 68.1728, 72.9822,
17.5151

■ 66.1473, 70.1010,
13.2352

■ 70.5938, 76.0904,
23.6683

■ 64.4681, 67.4180,
10.5927

■ 73.4424, 79.4305,
31.8845

■ 63.0661, 64.9080,
9.2191

■ 76.7529, 83.0196,
42.3351

■ 63.0395, 64.8594,
9.1966

■ 80.5545, 86.8699,
55.1722

■ 84.8739, 90.9924,
70.5346

■ 89.7356, 95.3977,
88.5503

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



85.9798, 72.9822, 21.8117



68.1728, 72.9822, 17.5151



53.2811, 72.9822, 23.2976

Triad

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



68.1728, 72.9822, 17.5151



45.0091, 72.9822, 140.9421



102.7831, 72.9822, 132.3883

Complementary

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



68.1728, 72.9822, 17.5151



26.9048, 20.3858, 97.1241

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.



88.4036, 72.9822, 189.3578



68.1728, 72.9822, 17.5151



55.0457, 72.9822, 195.5633

Square

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



68.1728, 72.9822, 17.5151



41.3531, 72.9822, 82.9562



70.5759, 72.9822, 216.1620



107.8214, 72.9822, 76.0736

Rectangle

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



68.1728, 72.9822, 17.5151



46.4652, 72.9822, 34.4105



70.5759, 72.9822, 216.1620



98.7765, 72.9822, 152.7782

Sweetspot

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



68.1745, 72.9857, 17.5166



84.3286, 90.4843, 68.5569



46.8524, 27.7517, 18.3933



17.7869, 19.1197, 13.7290



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.



68.1745, 72.9857, 17.5166



65.4032, 68.9516, 11.9414



61.3489, 84.5565, 20.1097



19.2400, 20.4481, 19.0772



33.0469, 34.1051, 4.8412



3.2915, 3.4683, 0.4960

Inverse Universe

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



26.9048, 20.3858, 97.1241



22.0429, 13.8601, 96.1212



29.9720, 17.3062, 96.3680



17.2921, 17.9557, 22.8044



10.1119, 5.1333, 49.8925



1.0563, 0.6434, 4.8818

Previews

White Background



This preview shows how the XYZ color 68.1728, 72.9822, 17.5151 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 68.1728, 72.9822, 17.5151 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 68.1728, 72.9822, 17.5151

Background



This preview shows how black text looks on a background with the XYZ color 68.1728, 72.9822, 17.5151.



This preview shows how white text looks on a background with the XYZ color 68.1728, 72.9822,

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

68.1728, 72.9822, 17.5151

Protanopia

66.2078, 72.7491, 17.7602

Deuteranopia

72.2289, 72.9449, 43.9911



Tritanopia

77.4714, 72.6271, 79.0425

Trichromacy



Original Color

68.1728, 72.9822, 17.5151

Protanomaly

67.0153, 72.7722, 17.7221

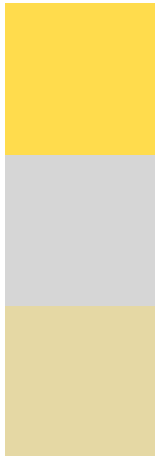
Deuteranomaly

70.0821, 72.4974, 31.4188

Tritanomaly

72.4480, 72.2177, 47.6571

Monochromacy



Original Color

68.1728, 72.9822, 17.5151

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.5698, 68.4501, 44.9837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1728, 72.9822, 17.5151 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(255, 220, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 77)  
}
```

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(255, 220, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 77) }
```

Border

The CSS property to change the border of an element to XYZ 68.1728, 72.9822, 17.5151 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(255, 220, 77) }
```


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

```
.border{ border-color:rgb(255, 220, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1728, 72.9822, 17.5151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 77) }
```

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

```
.background{ background-color: rgb(255,  
220, 77) }
```

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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