

Converting Colors

XYZ(78.2186, 76.6642, 26.0142)

Have a look what the booklet for
XYZ(78.2186, 76.6642, 26.0142)
contains.

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Color

**XYZ(68.9775, 72.0556,
25.6018)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD970
RGB	255, 217, 112
RGB Percent	100%, 85%, 44%
CMY	0.0000, 0.1490, 0.5608
CMYK	0.00, 0.15, 0.56, 0.00
HSL	44°, 100%, 72%
HSV	44°, 56%, 100%
XYZ	68.9775, 72.0556, 25.6018
YIQ	216.3920, 56.3530, -24.5990

Conversions

Conversions Part 2

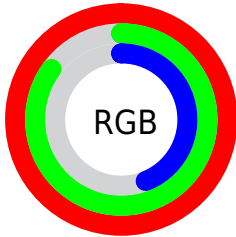
Format	Color
RYB	164, 255, 112
Decimal	16767344
CIELab	88.00, 1.07, 55.86
CIELCh	88, 55.869, 88.904
Yxy	72.0556, 0.4139, 0.4324
Android (android.graphics.Color)	4294957424 (0xFFFFD970)
YUV	216.3920, -51.4653, 33.8592
Hunter-Lab	84.8856, -3.5017, 41.5378

Details

The XYZ color **68.9775, 72.0556, 25.6018** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.6380, 32.4762, 98.9975**, and the grayscale version is **65.8526, 69.2821, 75.4482**.

A 20% lighter version of the original color is **83.8829, 95.5332, 50.0950**, and **36.2154, 37.7585, 9.5170** is the 20% darker color. If you saturate the color by 10%, you get **66.0437, 68.1476, 18.5836**, and if you desaturate by 10%, it is **72.3884, 76.2746, 34.7636**.

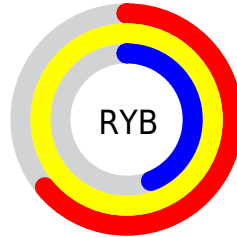
Distribution



Red (100%)

Green (85%)

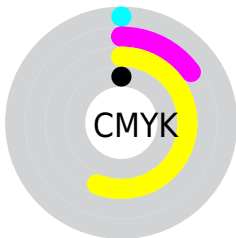
Blue (44%)



Red (64%)

Yellow (100%)

Blue (44%)

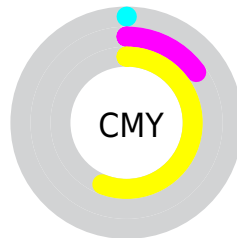


Cyan (0%)

Magenta (15%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9775, 72.0556, 25.6018 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 68.9775, 72.0556, 25.6018 by changing the saturation by 10% instead.


 68.9775, 72.0556,
25.6018


 68.9775, 72.0556,
25.6018


446.2742,
467.7351, 294.3649

 50.9700, 53.2041,
16.3029


 116.7837,
122.1356, 53.6080

 36.4056, 37.9657,
9.5821


 147.3130,
154.1328, 73.1524

 24.9192, 25.9561,
5.0208


 182.7470,
191.2808, 96.9491

 16.1453, 16.7908,
2.2005

223.4510,
233.9639, 125.4165

 9.7185, 10.0854,
0.6747

269.7904,
282.5665, 158.9732

 5.2736, 5.4556,
0.0000

322.1305,

 2.4450, 2.5170,

337.4729, 198.0379

0.0000

380.8367,
399.0677, 243.0289

■ 0.8676, 0.8851,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.9775, 72.0556,
25.6018

■ 68.9775, 72.0556,
25.6018

■ 66.0437, 68.1476,
18.5836

■ 72.3884, 76.2746,
34.7636

■ 63.5461, 64.5247,
13.5206

■ 76.3030, 80.8085,
46.2276

■ 61.4447, 61.1723,
10.1985

■ 80.7516, 85.6733,
60.1421

■ 59.6878, 58.0683,
8.3497

■ 85.7607, 90.8809,
76.6418

■ 59.0630, 56.9062,
7.8710

■ 91.3546, 96.4424,
95.8515

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.



82.5820, 72.0556, 30.9215



68.9775, 72.0556, 25.6018



56.8398, 72.0556, 30.1738

Triad

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



68.9775, 72.0556, 25.6018



48.4258, 72.0556, 119.5118



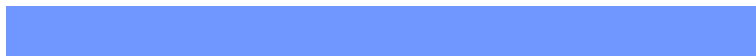
92.8386, 72.0556, 122.7563

Complementary

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



68.9775, 72.0556, 25.6018



35.6380, 32.4762, 98.9975

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.



81.6249, 72.0556, 161.7653



68.9775, 72.0556, 25.6018



56.0941, 72.0556, 159.5042

Square

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



68.9775, 72.0556, 25.6018



45.9414, 72.0556, 77.0623



67.9982, 72.0556, 176.9983



97.4131, 72.0556, 79.8670

Rectangle

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



68.9775, 72.0556, 25.6018



50.9441, 72.0556, 39.4485



67.9982, 72.0556, 176.9983



89.6547, 72.0556, 137.2113

Sweetspot

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



68.9792, 72.0590, 25.6032



85.2747, 90.3861, 75.0079



52.5502, 35.0552, 32.9079



18.0293, 19.1178, 15.3102



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.



68.9792, 72.0590, 25.6032



65.7958, 67.8018, 18.0376



68.6967, 88.1614, 28.7262



19.1290, 20.2261, 19.0402



30.9908, 29.9929, 4.1558



3.1072, 3.0997, 0.4345

Inverse Universe

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



35.6380, 32.4762, 98.9975



29.6416, 24.9557, 97.8624



35.5865, 24.8622, 97.5306



17.3955, 18.1626, 22.8388



10.6072, 6.1240, 50.0576



1.1178, 0.7663, 4.9023

Previews

White Background



This preview shows how the XYZ color 68.9775, 72.0556, 25.6018 looks on a white background.

Color Contrast Check

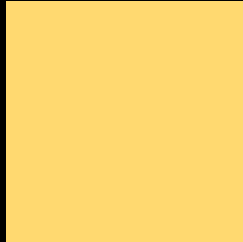
Large Text (above 18pt) WCAG AA × Fail

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 68.9775, 72.0556, 25.6018 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 68.9775, 72.0556, 25.6018

Background



This preview shows how black text looks on a background with the XYZ color 68.9775, 72.0556, 25.6018.



This preview shows how white text looks on a background with the XYZ color 68.9775, 72.0556,

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

68.9775, 72.0556, 25.6018

Protanopia

66.1453, 72.1383, 26.0606

Deuteranopia

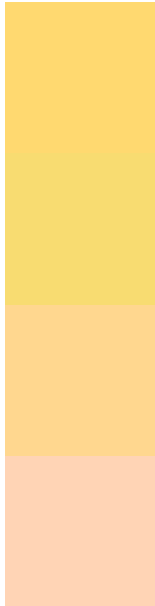
71.7196, 71.9263, 43.8214



Tritanopia

77.0916, 72.0814, 78.2565

Trichromacy



Original Color

68.9775, 72.0556, 25.6018

Protanomaly

67.2852, 72.3351, 26.0385

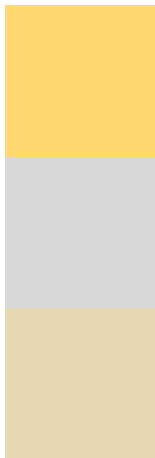
Deuteranomaly

70.4984, 71.8440, 36.1382

Tritanomaly

73.1240, 71.6832, 53.6982

Monochromacy



Original Color

68.9775, 72.0556, 25.6018

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.2249, 69.1491, 52.0289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9775, 72.0556, 25.6018 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, 217, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 112)  
}
```

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, 217, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 112) }
```

Border

The CSS property to change the border of an element to XYZ 68.9775, 72.0556, 25.6018 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, 217, 112) }
```


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

```
.border{ border-color:rgb(255, 217, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9775, 72.0556, 25.6018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 112) }
```

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

```
.background{ background-color: rgb(255,  
217, 112) }
```

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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