

Converting Colors

XYZ(93.7929, 78.1991, 42.7922)

Have a look what the booklet for
XYZ(93.7929, 78.1991, 42.7922)
contains.

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Color

**XYZ(68.1523, 65.0718,
41.7690)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC89F
RGB	255, 200, 159
RGB Percent	100%, 78%, 62%
CMY	0.0000, 0.2157, 0.3765
CMYK	0.00, 0.22, 0.38, 0.00
HSL	26°, 100%, 81%
HSV	26°, 38%, 100%
XYZ	68.1523, 65.0718, 41.7690
YIQ	211.7710, 45.9410, -1.0910

Conversions

Conversions Part 2

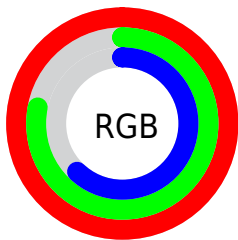
Format	Color
R _Y B	255, 231, 159
Decimal	16763039
CIE Lab	84.52, 14.25, 27.99
CIE LCh	85, 31.408, 63.026
Yxy	65.0718, 0.3895, 0.3719
Android (android.graphics.Color)	4294953119 (0xFFFFC89F)
YUV	211.7710, -26.0161, 37.9118
Hunter-Lab	80.6671, 9.6399, 25.7669

Details

The XYZ color **68.1523, 65.0718, 41.7690** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.3938, 62.6818, 103.7342**, and the grayscale version is **62.5746, 65.8333, 71.6925**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **35.9587, 33.4896, 18.4788** is the 20% darker color. If you saturate the color by 10%, you get **62.9409, 57.8323, 30.2179**, and if you desaturate by 10%, it is **74.1468, 73.1465, 55.8344**.

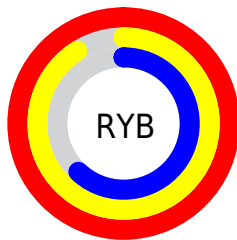
Distribution



Red (100%)

Green (78%)

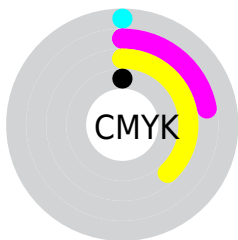
Blue (62%)



Red (100%)

Yellow (91%)

Blue (62%)

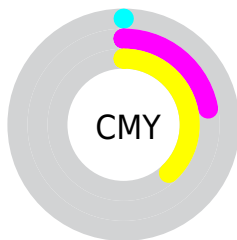


Cyan (0%)

Magenta (22%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.1523, 65.0718, 41.7690 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 68.1523, 65.0718, 41.7690 by changing the saturation by 10% instead.


 68.1523, 65.0718,
41.7690


 68.1523, 65.0718,
41.7690


443.4037,
443.0499, 369.2958

 50.2958, 47.5193,
28.5962


 115.6107,
112.1531, 79.1162

 35.8672, 33.4464,
18.5326


 145.9433,
142.4506, 104.1277

 24.5013, 22.4686,
11.1597


181.1653,
177.7654, 133.9226

 15.8326, 14.2016,
6.0588

221.6420,
218.4816, 168.9193

 9.4959, 8.2610,
2.8115

267.7389,
264.9838, 209.5365

 5.1257, 4.2624,
0.9992

319.8212,

 2.3567, 1.8214,

317.6563, 256.1926

0.0000

378.2544,
376.8836, 309.3062

■ 0.8235, 0.5005,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.1523, 65.0718,
41.7690

■ 68.1523, 65.0718,
41.7690

■ 62.9409, 57.8323,
30.2179

■ 74.1468, 73.1465,
55.8344

■ 58.4703, 51.3896,
21.0253

■ 80.9539, 82.0750,
72.5493

■ 54.7013, 45.7152,
14.0240

■ 88.6076, 91.8865,
92.0436

■ 51.5884, 40.7752,
9.0225

95.0500, 100.0000,
108.9000

■ 49.0791, 36.5319,
5.7959

■ 47.1068, 32.9409,
4.0478

■ 46.7002, 32.1805,
3.7501

Harmonies

Analogous

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



73.8247, 65.0718, 51.8636



68.1523, 65.0718, 41.7690



61.1415, 65.0718, 38.9275

Triad

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



68.1523, 65.0718, 41.7690



49.3664, 65.0718, 72.9049



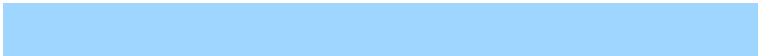
69.4726, 65.0718, 108.3033

Complementary

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



68.1523, 65.0718, 41.7690



56.3938, 62.6818, 103.7342

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.



62.5615, 65.0718, 116.6988



68.1523, 65.0718, 41.7690



51.2435, 65.0718, 93.9876

Square

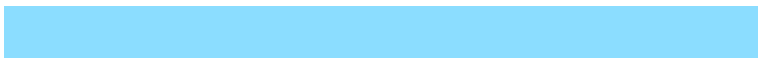
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1523, 65.0718, 41.7690



50.6198, 65.0718, 54.7770



55.9465, 65.0718, 111.0239



74.6265, 65.0718, 89.7997

Rectangle

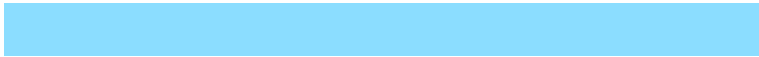
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1523, 65.0718, 41.7690



56.7357, 65.0718, 40.9854



55.9465, 65.0718, 111.0239



67.2602, 65.0718, 112.5439

Sweetspot

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



68.1540, 65.0749, 41.7703



85.9446, 88.4961, 85.1886



65.9043, 50.9632, 70.6538



18.1712, 18.6546, 17.6603



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.



68.1540, 65.0749, 41.7703



64.2466, 59.6699, 33.0390



80.7589, 90.2848, 45.9720



18.6473, 19.2627, 18.8796



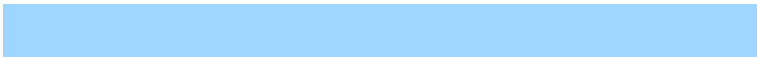
24.5428, 17.0969, 2.0065



2.4954, 1.8761, 0.2306

Inverse Universe

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



56.3938, 62.6818, 103.7342



50.9752, 56.9528, 102.9141



46.1674, 42.2291, 100.3254



17.8670, 19.1056, 22.9960



14.9600, 14.8296, 51.5085



1.5650, 1.6608, 5.0513

Previews

White Background



This preview shows how the XYZ color 68.1523, 65.0718, 41.7690 looks on a white background.

Color Contrast Check

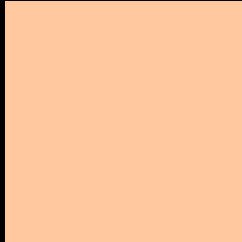
Large Text (above 18pt) WCAG AA × Fail

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 68.1523, 65.0718, 41.7690 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 68.1523, 65.0718, 41.7690

Background



This preview shows how black text looks on a background with the XYZ color 68.1523, 65.0718, 41.7690.



This preview shows how white text looks on a background with the XYZ color 68.1523, 65.0718,

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

68.1523, 65.0718, 41.7690

Protanopia

61.0464, 65.2764, 44.5041

Deuteranopia

66.6809, 65.3548, 41.9012



Tritanopia

72.2637, 64.8937, 69.0386

Trichromacy



Original Color

68.1523, 65.0718, 41.7690

Protanomaly

63.4265, 65.0671, 43.3987

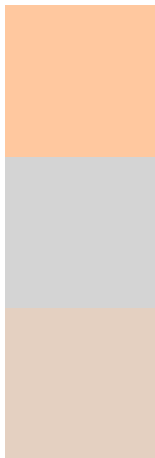
Deuteranomaly

67.1622, 65.2535, 41.8562

Tritanomaly

70.6102, 64.9541, 58.1060

Monochromacy



Original Color

68.1523, 65.0718, 41.7690

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

64.1764, 65.4560, 59.7039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1523, 65.0718, 41.7690 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, 200, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 159)  
}
```

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, 200, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 159) }
```

Border

The CSS property to change the border of an element to XYZ 68.1523, 65.0718, 41.7690 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, 200, 159) }
```


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

```
.border{ border-color:rgb(255, 200, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1523, 65.0718, 41.7690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 159) }
```

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

```
.background{ background-color: rgb(255,  
200, 159) }
```

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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