

Converting Colors

XYZ(72.1681, 64.5625, 94.8847)

Have a look what the booklet for
XYZ(72.1681, 64.5625, 94.8847)
contains.

XYZ(72.1565, 64.5977, 95.0517)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.1565, 64.5977,
95.0517)**

Conversions

Conversions Part 1

Format	Color
Hex	F0C4F5
RGB	240, 196, 245
RGB Percent	94%, 77%, 96%
CMY	0.0588, 0.2314, 0.0392
CMYK	0.02, 0.20, 0.00, 0.04
HSL	294°, 71%, 86%
HSV	294°, 20%, 96%
XYZ	72.1565, 64.5977, 95.0517
YIQ	214.7420, 10.4950, 24.5670

Conversions

Conversions Part 2

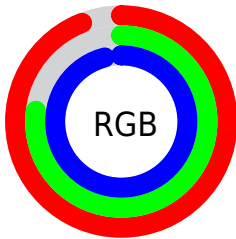
Format	Color
R _Y B	240, 196, 245
Decimal	15779061
CIE Lab	84.28, 23.90, -18.26
CIE LCh	84, 30.074, 322.626
Yxy	64.5977, 0.3113, 0.2787
Android (android.graphics.Color)	4293969141 (0xFFFF0C4F5)
YUV	214.7420, 14.9172, 22.1513
Hunter-Lab	80.3727, 19.6004, -13.8576

Details

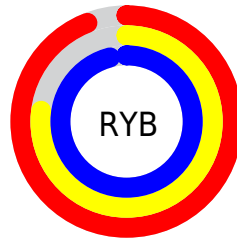
The XYZ color **72.1565, 64.5977, 95.0517** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.7059, 81.7095, 64.4835**, and the grayscale version is **64.3159, 67.6654, 73.6876**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **38.6255, 33.2105, 52.5186** is the 20% darker color. If you saturate the color by 10%, you get **66.2329, 54.0007, 93.3194**, and if you desaturate by 10%, it is **78.9981, 77.0110, 97.0881**.

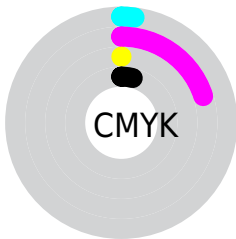
Distribution



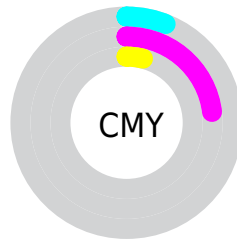
- Red (94%)
- Green (77%)
- Blue (96%)



- Red (94%)
- Yellow (77%)
- Blue (96%)



- Cyan (2%)
- Magenta (20%)
- Yellow (0%)
- Black (4%)



- Cyan (6%)
- Magenta (23%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1565, 64.5977, 95.0517 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 72.1565, 64.5977, 95.0517 by changing the saturation by 10% instead.

72.1565, 64.5977,
95.0517

72.1565, 64.5977,
95.0517

457.2353,
441.3449, 565.3190

53.5724, 47.1349,
71.5809

121.2886,
111.4713, 156.3322

38.4893, 33.1423,
52.3316

152.5674,
141.6509, 194.9790

26.5416, 22.2355,
36.8854

188.8084,
176.8382, 239.5215

17.3640, 14.0301,
24.8237

230.3771,
217.4177, 290.3783

10.5913, 8.1416,
15.7279

277.6388,
263.7737, 347.9679

5.8580, 4.1857,
9.1796

330.9588,

2.7987, 1.7780,

316.2907, 412.7089

4.7601

390.7025,
375.3529, 485.0197

■ 1.0483, 0.4734,
2.0509

■ 0.0000, 0.0000,
0.5863

■ 72.1565, 64.5977,
95.0517

■ 72.1565, 64.5977,
95.0517

■ 66.2329, 54.0007,
93.3194

■ 78.9981, 77.0110,
97.0881

■ 61.1776, 45.1241,
91.8725

■ 86.7925, 91.3137,
99.4380

■ 56.9451, 37.8759,
90.6966

■ 90.7765, 97.9781,
100.5144

■ 53.4833, 32.1522,
89.7742

■ 91.6665, 98.4369,
100.5560

■ 50.7344, 27.8369,
89.0862

■ 92.5684, 98.9019,
100.5982

■ 48.6319, 24.7974,
88.6103

■ 93.4816, 99.3726,
100.6409

■ 47.0967, 22.8758,
88.3203

■ 45.9973, 21.8086,
88.1723

■ 45.9971, 21.8084,
88.1722

Harmonies

Analogous

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



66.4618, 64.5977, 109.9464



72.1565, 64.5977, 95.0517



75.0055, 64.5977, 75.1530

Triad

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



72.1565, 64.5977, 95.0517



63.0579, 64.5977, 39.8535



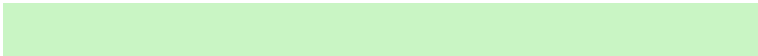
50.3119, 64.5977, 85.4224

Complementary

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



72.1565, 64.5977, 95.0517



66.7059, 81.7095, 64.4835

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.



49.5449, 64.5977, 65.7292



72.1565, 64.5977, 95.0517



56.5985, 64.5977, 41.6049

Square

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



72.1565, 64.5977, 95.0517



69.5111, 64.5977, 45.0137



51.7662, 64.5977, 50.3253



53.9425, 64.5977, 103.7223

Rectangle

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



72.1565, 64.5977, 95.0517



74.7728, 64.5977, 62.6143



51.7662, 64.5977, 50.3253



49.7219, 64.5977, 78.6676

Sweetspot

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



72.1585, 64.6005, 95.0531



89.7898, 90.3288, 107.3105



60.3032, 60.4397, 94.8748



19.1011, 19.1186, 22.9335



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.



72.1585, 64.6005, 95.0531



76.2770, 65.8094, 103.2900



71.1554, 64.3980, 80.7893



17.0372, 16.6774, 20.8637



24.8480, 11.7839, 47.5029



2.2310, 1.0600, 4.1772

Inverse Universe

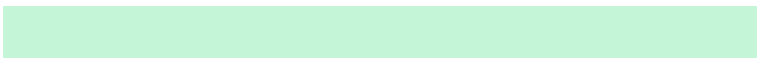
The Inverse Universe completely reimagines the original color for something new.



67.9410, 63.1123, 63.8625



70.9179, 63.9268, 63.2725



67.6575, 81.9374, 76.3962



16.5678, 16.5100, 17.4708



20.4037, 10.5049, 1.5681



1.8157, 0.9323, 0.2561

Previews

White Background



This preview shows how the XYZ color 72.1565, 64.5977, 95.0517 looks on a white background.

Color Contrast Check

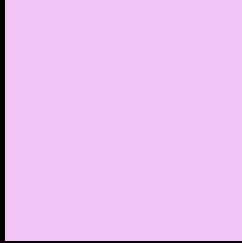
Large Text (above 18pt) WCAG AA × Fail

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 72.1565, 64.5977, 95.0517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

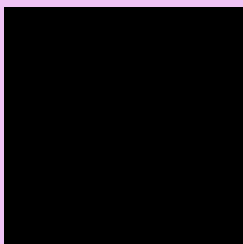
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1565, 64.5977, 95.0517

Background



This preview shows how black text looks on a background with the XYZ color 72.1565, 64.5977, 95.0517.



This preview shows how white text looks on a background with the XYZ color 72.1565, 64.5977,

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

72.1565, 64.5977, 95.0517

Protanopia

64.6175, 65.1103, 102.0903

Deuteranopia

66.0333, 64.5808, 93.7790



Tritanopia

68.0031, 64.6159, 74.5336

Trichromacy



Original Color

72.1565, 64.5977, 95.0517

Protanomaly

66.8725, 64.5349, 99.3744

Deuteranomaly

68.1901, 64.6200, 94.4669

Tritanomaly

69.2136, 64.3974, 81.4550

Monochromacy



Original Color

72.1565, 64.5977, 95.0517

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

67.0238, 66.4500, 81.2451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1565, 64.5977, 95.0517 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(240, 196, 245)` looks like.

```
.text, #text, p{  
    color:rgb(240, 196, 245)  
}
```

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(240, 196, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 196, 245) }
```

Border

The CSS property to change the border of an element to XYZ 72.1565, 64.5977, 95.0517 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(240, 196, 245) }
```


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

```
.border{ border-color:rgb(240, 196, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 196, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 196, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 196, 245);  
box-shadow:4px 4px 4px 4px rgb(240, 196,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1565, 64.5977, 95.0517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 196, 245) }
```

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

```
.background{ background-color: rgb(240,  
196, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor