

Converting Colors

XYZ(64.1420, 64.8842, 95.9015)

Have a look what the booklet for
XYZ(64.1420, 64.8842, 95.9015)
contains.

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Color

**XYZ(64.1837, 65.0309,
95.5556)**

Conversions

Conversions Part 1

Format	Color
Hex	CCD1F5
RGB	204, 209, 245
RGB Percent	80%, 82%, 96%
CMY	0.2000, 0.1804, 0.0392
CMYK	0.17, 0.15, 0.00, 0.04
HSL	233°, 67%, 88%
HSV	233°, 17%, 96%
XYZ	64.1837, 65.0309, 95.5556
YIQ	211.6090, -14.5360, 10.1360

Conversions

Conversions Part 2

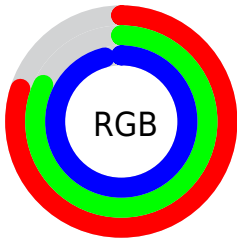
Format	Color
R_{YB}	204, 208, 245
Decimal	13423093
CIE _{Lab}	84.50, 5.48, -18.21
CIE _{LCh}	84, 19.013, 286.739
Yxy	65.0309, 0.2856, 0.2893
Android (android.graphics.Color)	4291613173 (0xFFCCD1F5)
YUV	211.6090, 16.4618, -6.6731
Hunter-Lab	80.6417, 0.9472, -13.8059

Details

The XYZ color **64.1837, 65.0309, 95.5556** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.7157, 86.0919, 69.5440**, and the grayscale version is **62.2227, 65.4631, 71.2893**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3011, 33.5064, 52.8563** is the 20% darker color. If you saturate the color by 10%, you get **53.0636, 51.9869, 93.6250**, and if you desaturate by 10%, it is **77.0766, 80.0499, 97.7761**.

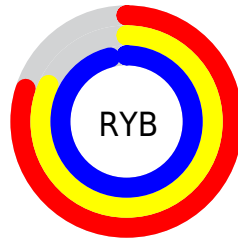
Distribution



Red (80%)

Green (82%)

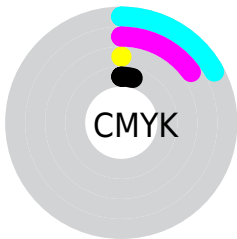
Blue (96%)



Red (80%)

Yellow (82%)

Blue (96%)

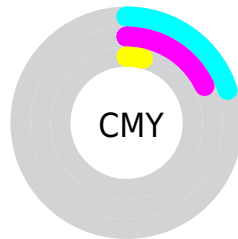


Cyan (17%)

Magenta (15%)

Yellow (0%)

Black (4%)



Cyan (20%)

Magenta (18%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1837, 65.0309, 95.5556 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 64.1837, 65.0309, 95.5556 by changing the saturation by 10% instead.

■ 64.1837, 65.0309,
95.5556

■ 64.1837, 65.0309,
95.5556

429.4444,
442.9030, 566.9719

■ 47.0617, 47.4861,
71.9980

109.9477,
112.0943, 157.0341

■ 33.2926, 33.4201,
52.6703

139.3204,
142.3817, 195.7922

■ 22.5110, 22.4485,
37.1537

173.5075,
177.6854, 240.4542

■ 14.3516, 14.1868,
25.0298

212.8741,
218.3899, 291.4386

■ 8.4489, 8.2507,
15.8800

257.7858,
264.8795, 349.1641

■ 4.4377, 4.2558,
9.2859

308.6079,

■ 1.9526, 1.8177,

317.5386, 414.0491

4.8288

365.7056,
376.7517, 486.5122

■ 0.6071, 0.4981,
2.0902

■ 0.0000, 0.0000,
0.6099

■ 64.1837, 65.0309,
95.5556

■ 64.1837, 65.0309,
95.5556

■ 53.0636, 51.9869,
93.6250

■ 77.0766, 80.0499,
97.7761

■ 43.6327, 40.8278,
91.9681

■ 91.8092, 97.1130,
100.2931

■ 35.8097, 31.4682,
90.5739

■ 93.4816, 99.3727,
100.6411

■ 29.5039, 23.8134,
89.4287

■ 24.6157, 17.7594,
88.5178

■ 21.0334, 13.1911,
87.8248

■ 18.6278, 9.9774,
87.3313

■ 17.2408, 7.9624,
87.0155

■ 16.9432, 7.5158,
86.9450

Harmonies

Analogous

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



59.9618, 65.0309, 96.0035



64.1837, 65.0309, 95.5556



67.9282, 65.0309, 88.0124

Triad

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



64.1837, 65.0309, 95.5556



67.5569, 65.0309, 55.1538



54.2220, 65.0309, 65.5945

Complementary

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



64.1837, 65.0309, 95.5556



79.7157, 86.0919, 69.5440

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.



56.0705, 65.0309, 56.0051



64.1837, 65.0309, 95.5556



63.6956, 65.0309, 50.4576

Square

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



64.1837, 65.0309, 95.5556



69.9358, 65.0309, 64.3044



59.4954, 65.0309, 50.7503



54.3392, 65.0309, 77.7351

Rectangle

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



64.1837, 65.0309, 95.5556



69.5925, 65.0309, 80.4170



59.4954, 65.0309, 50.7503



54.6303, 65.0309, 61.9959

Sweetspot

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



64.1857, 65.0336, 95.5571



87.0461, 90.7260, 107.5318



73.2144, 84.4070, 94.5096



18.3995, 19.1499, 22.9765



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.



64.1857, 65.0336, 95.5571



66.0535, 66.2607, 103.9159



67.2990, 64.8449, 95.3566



15.7440, 16.2524, 20.8498



9.1796, 4.1530, 46.8558



0.8580, 0.4675, 4.1352

Inverse Universe

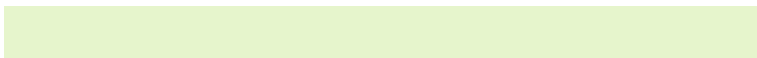
The Inverse Universe completely reimagines the original color for something new.



70.7592, 67.2032, 69.5668



74.4935, 69.1100, 70.5317



76.1751, 86.4831, 69.8062



16.5814, 16.5154, 17.5421



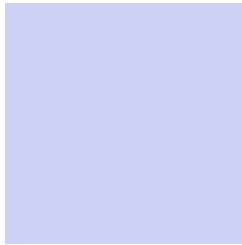
20.4380, 10.5186, 1.7487



1.8222, 0.9348, 0.2899

Previews

White Background



This preview shows how the XYZ color 64.1837, 65.0309, 95.5556 looks on a white background.

Color Contrast Check

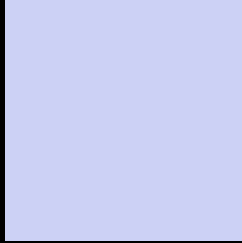
Large Text (above 18pt) WCAG AA × Fail

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 64.1837, 65.0309, 95.5556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

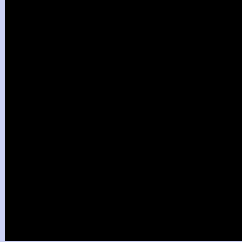
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1837, 65.0309, 95.5556

Background



This preview shows how black text looks on a background with the XYZ color 64.1837, 65.0309, 95.5556.



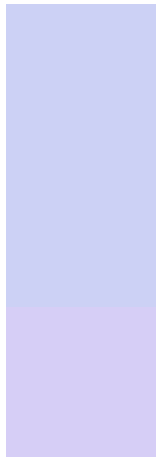
This preview shows how white text looks on a background with the XYZ color 64.1837, 65.0309,

95.5556.

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

64.1837, 65.0309, 95.5556

Protanopia

64.1837, 65.0309, 95.5556

Deuteranopia

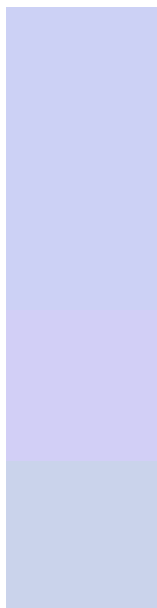
66.4374, 65.0926, 96.2513



Tritanopia

61.7737, 65.1616, 83.4504

Trichromacy



Original Color

64.1837, 65.0309, 95.5556

Protanomaly

64.1837, 65.0309, 95.5556

Deuteranomaly

65.5257, 64.9811, 96.2778

Tritanomaly

62.6468, 65.1432, 87.8693

Monochromacy



Original Color

64.1837, 65.0309, 95.5556

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.0433, 65.5257, 79.8460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1837, 65.0309, 95.5556 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(204, 209, 245)` looks like.

```
.text, #text, p{  
    color:rgb(204, 209, 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(204, 209, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 209, 245) }
```

Border

The CSS property to change the border of an element to XYZ 64.1837, 65.0309, 95.5556 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(204, 209, 245) }
```


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

```
.border{ border-color:rgb(204, 209, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 209, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 209, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 209, 245);  
box-shadow:4px 4px 4px 4px rgb(204, 209,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1837, 65.0309, 95.5556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 209, 245) }
```

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

```
.background{ background-color: rgb(204,  
209, 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](#).

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