

Converting Colors

XYZ(64.3010, 65.6421, 88.8368)

Have a look what the booklet for
XYZ(64.3010, 65.6421, 88.8368)
contains.

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Color

**XYZ(64.1993, 65.5592,
88.6274)**

Conversions

Conversions Part 1

Format	Color
Hex	D0D2EC
RGB	208, 210, 236
RGB Percent	82%, 82%, 93%
CMY	0.1843, 0.1765, 0.0745
CMYK	0.12, 0.11, 0.00, 0.07
HSL	236°, 42%, 87%
HSV	236°, 12%, 93%
XYZ	64.1993, 65.5592, 88.6274
YIQ	212.3660, -9.5380, 7.6620

Conversions

Conversions Part 2

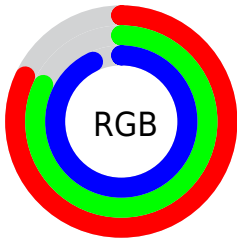
Format	Color
R _Y B	208, 210, 236
Decimal	13685484
CIE Lab	84.77, 4.34, -12.99
CIE LCh	85, 13.701, 288.475
Yxy	65.5592, 0.2940, 0.3002
Android (android.graphics.Color)	4291875564 (0xFFD0D2EC)
YUV	212.3660, 11.6516, -3.8290
Hunter-Lab	80.9686, -0.1641, -8.2202

Details

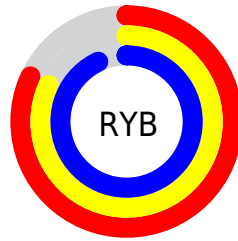
The XYZ color **64.1993, 65.5592, 88.6274** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.4003, 81.2320, 71.3811**, and the grayscale version is **62.7538, 66.0219, 71.8978**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.2636, 33.8445, 47.9595** is the 20% darker color. If you saturate the color by 10%, you get **53.0071, 52.3024, 86.6595**, and if you desaturate by 10%, it is **77.1234, 80.8119, 90.8913**.

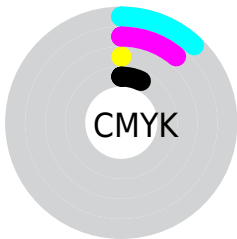
Distribution



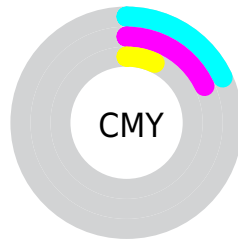
- Red (82%)
- Green (82%)
- Blue (93%)



- Red (82%)
- Yellow (82%)
- Blue (93%)



- Cyan (12%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)



- Cyan (18%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1993, 65.5592, 88.6274 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 64.1993, 65.5592, 88.6274 by changing the saturation by 10% instead.

■ 64.1993, 65.5592,
88.6274

■ 64.1993, 65.5592,
88.6274

429.4998,
444.7988, 544.0101

■ 47.0744, 47.9147,
66.2755

109.9700,
112.8534, 147.3491

■ 33.3027, 33.7593,
48.0382

139.3466,
143.2719, 184.5560

■ 22.5188, 22.7088,
33.4969

173.5377,
178.7172, 227.5517

■ 14.3573, 14.3786,
22.2332

212.9088,
219.5736, 276.7546

■ 8.4530, 8.3845,
13.8284

257.8252,
266.2256, 332.5834

■ 4.4404, 4.3419,
7.8640

308.6523,

■ 1.9541, 1.8666,

319.0575, 395.4565

3.9215

365.7554,
378.4538, 465.7926

■ 0.6080, 0.5282,
1.5824

■ 0.0000, 0.0000,
0.2782

■ 64.1993, 65.5592,
88.6274

■ 64.1993, 65.5592,
88.6274

■ 53.0071, 52.3024,
86.6595

■ 77.1234, 80.8119,
90.8913

■ 43.4676, 40.9509,
84.9712

■ 91.7680, 98.0912,
93.4547

■ 35.5042, 31.4197,
83.5512

■ 92.1405, 98.8362,
93.5789

■ 29.0317, 23.6138,
82.3857

■ 23.9571, 17.4299,
81.4595

■ 20.1768, 12.7533,
80.7561

■ 17.5729, 9.4544,
80.2566

■ 16.0055, 7.3817,
79.9391

■ 15.3391, 6.4534,
79.7951

Harmonies

Analogous

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



61.1413, 65.5592, 89.2408



64.1993, 65.5592, 88.6274



66.8316, 65.5592, 83.1736

Triad

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



64.1993, 65.5592, 88.6274



66.3034, 65.5592, 59.4718



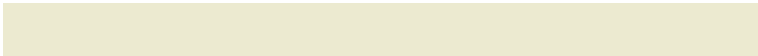
56.7112, 65.5592, 68.0617

Complementary

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



64.1993, 65.5592, 88.6274



75.4003, 81.2320, 71.3811

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.



58.0010, 65.5592, 60.7626



64.1993, 65.5592, 88.6274



63.4976, 65.5592, 56.0818

Square

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



64.1993, 65.5592, 88.6274



68.0736, 65.5592, 66.1642



60.4622, 65.5592, 56.5341



56.8851, 65.5592, 76.8689

Rectangle

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



64.1993, 65.5592, 88.6274



67.9598, 65.5592, 77.7599



60.4622, 65.5592, 56.5341



56.9862, 65.5592, 65.3643

Sweetspot

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



64.2013, 65.5619, 88.6289



88.4493, 92.2223, 107.7466



70.8124, 79.3233, 89.1708



18.6743, 19.4358, 23.0172



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.



64.2013, 65.5619, 88.6289



73.4362, 74.4915, 105.1155



67.1118, 66.3328, 88.6243



14.3177, 14.7219, 19.0092



8.4889, 3.6248, 43.9952



0.6969, 0.3453, 3.4648

Inverse Universe

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



68.7823, 67.5992, 70.3986



79.8151, 77.3458, 79.7270



72.2256, 80.4467, 71.3968



15.1092, 15.0715, 15.8602



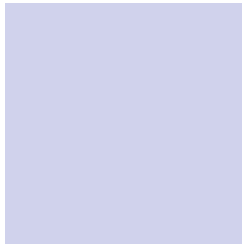
19.1401, 9.8587, 1.2732



1.5183, 0.7803, 0.1806

Previews

White Background



This preview shows how the XYZ color 64.1993, 65.5592, 88.6274 looks on a white background.

Color Contrast Check

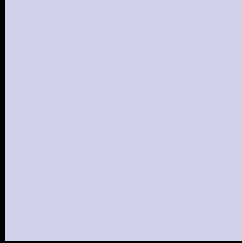
Large Text (above 18pt) WCAG AA × Fail

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 64.1993, 65.5592, 88.6274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

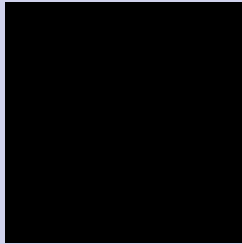
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1993, 65.5592, 88.6274

Background



This preview shows how black text looks on a background with the XYZ color 64.1993, 65.5592, 88.6274.

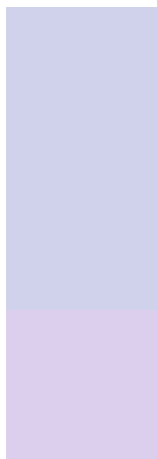


This preview shows how white text looks on a background with the XYZ color 64.1993, 65.5592,

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

64.1993, 65.5592, 88.6274

Protanopia

64.1993, 65.5592, 88.6274

Deuteranopia

66.8726, 65.4727, 89.2337



Tritanopia

63.0300, 65.4554, 82.7109

Trichromacy



Original Color

64.1993, 65.5592, 88.6274

Protanomaly

64.1993, 65.5592, 88.6274

Deuteranomaly

65.9178, 65.3390, 89.2582

Tritanomaly

63.4502, 65.6235, 84.9237

Monochromacy



Original Color

64.1993, 65.5592, 88.6274

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.2094, 65.6579, 77.7484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1993, 65.5592, 88.6274 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(208, 210, 236) looks like.

```
.text, #text, p{  
    color:rgb(208, 210, 236)  
}
```

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(208, 210, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 210, 236) }
```

Border

The CSS property to change the border of an element to XYZ 64.1993, 65.5592, 88.6274 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(208, 210, 236) }
```


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

```
.border{ border-color:rgb(208, 210, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 210, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 210, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 210, 236);  
box-shadow:4px 4px 4px 4px rgb(208, 210,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1993, 65.5592, 88.6274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 210, 236) }
```

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

```
.background{ background-color: rgb(208,  
210, 236) }
```

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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