

Converting Colors

XYZ(68.1407, 75.4128, 89.2622)

Have a look what the booklet for
XYZ(68.1407, 75.4128, 89.2622)
contains.

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Color

**XYZ(68.1941, 75.4292,
89.5623)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE6EB
RGB	204, 230, 235
RGB Percent	80%, 90%, 92%
CMY	0.2000, 0.0980, 0.0784
CMYK	0.13, 0.02, 0.00, 0.08
HSL	190°, 44%, 86%
HSV	190°, 13%, 92%
XYZ	68.1941, 75.4292, 89.5623
YIQ	222.7960, -17.1010, -3.9570

Conversions

Conversions Part 2

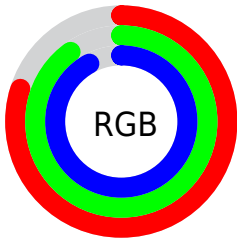
Format	Color
RYB	204, 218, 235
Decimal	13428459
CIELab	89.59, -7.53, -5.33
CIELCh	90, 9.227, 215.319
Yxy	75.4292, 0.2924, 0.3235
Android (android.graphics.Color)	4291618539 (0xFFCCE6EB)
YUV	222.7960, 6.0166, -16.4841
Hunter-Lab	86.8500, -11.8303, -0.3466

Details

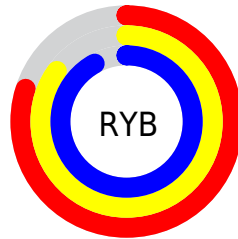
The XYZ color **68.1941, 75.4292, 89.5623** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.9610, 67.6225, 66.5987**, and the grayscale version is **69.9637, 73.6072, 80.1583**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0443, 40.3986, 48.5458** is the 20% darker color. If you saturate the color by 10%, you get **61.1906, 70.2728, 88.9373**, and if you desaturate by 10%, it is **76.1968, 81.1387, 90.2437**.

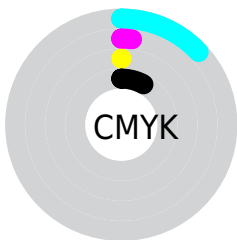
Distribution



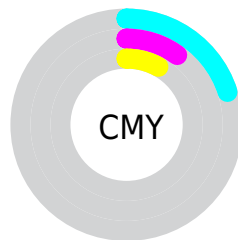
- Red (80%)
- Green (90%)
- Blue (92%)



- Red (80%)
- Yellow (85%)
- Blue (92%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (8%)



- Cyan (20%)
- Magenta (10%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1941, 75.4292, 89.5623 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 68.1941, 75.4292, 89.5623 by changing the saturation by 10% instead.

■ 68.1941, 75.4292,
89.5623

■ 68.1941, 75.4292,
89.5623

443.5494,
479.3915, 547.1393

■ 50.3299, 55.9646,
67.0460

115.6702,
126.9197, 148.6605

■ 35.8945, 40.1745,
48.6602

146.0127,
159.7144, 186.0794

■ 24.5224, 27.6746,
33.9863

181.2455,
197.7213, 229.3030

■ 15.8484, 18.0805,
22.6058

221.7338,
241.3246, 278.7498

■ 9.5071, 11.0078,
14.1001

267.8430,
290.9090, 334.8382

■ 5.1332, 6.0721,
8.0508

319.9384,

■ 2.3612, 2.8890,

346.8586, 397.9869

4.0392

378.3854,
409.5580, 468.6145

■ 0.8257, 1.0740,
1.6469

■ 0.0000, 0.0000,
0.3240

■ 68.1941, 75.4292,
89.5623

■ 68.1941, 75.4292,
89.5623

■ 61.1906, 70.2728,
88.9373

■ 76.1968, 81.1387,
90.2437

■ 55.1361, 65.6375,
88.3617

■ 85.2328, 87.4131,
90.9786

■ 49.9860, 61.5019,
87.8349

■ 87.8001, 90.3872,
91.4173

■ 45.6894, 57.8397,
87.3545

■ 88.9353, 92.6577,
91.7957

■ 42.1903, 54.6218,
86.9178

■ 90.0940, 94.9751,
92.1820

■ 39.4258, 51.8155,
86.5219

■ 91.2763, 97.3397,
92.5761

■ 37.3233, 49.3832,
86.1632

■ 91.9956, 98.7782,
92.8158

■ 35.7947, 47.2792,
85.8376

■ 34.9899, 45.9868,
85.6306

Harmonies

Analogous

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



67.4389, 75.4292, 83.2926



68.1941, 75.4292, 89.5623



69.8879, 75.4292, 94.0064

Triad

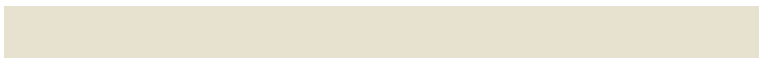
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1941, 75.4292, 89.5623



75.7284, 75.4292, 87.4548



71.2898, 75.4292, 70.3132

Complementary

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



68.1941, 75.4292, 89.5623



67.9610, 67.6225, 66.5987

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.



73.5293, 75.4292, 71.2977



68.1941, 75.4292, 89.5623



76.1228, 75.4292, 80.9774

Square

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



68.1941, 75.4292, 89.5623



74.2436, 75.4292, 92.7455



75.3100, 75.4292, 75.1199



69.2019, 75.4292, 72.3564

Rectangle

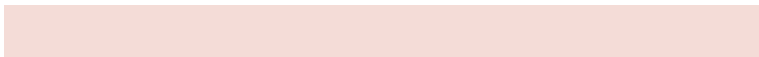
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



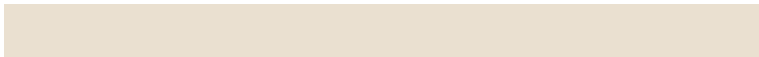
68.1941, 75.4292, 89.5623



71.3380, 75.4292, 95.2142



75.3100, 75.4292, 75.1199



72.0496, 75.4292, 70.3022

Sweetspot

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



68.1963, 75.4323, 89.5640



90.8742, 97.0720, 108.5549



66.0768, 76.8415, 71.4453



19.2875, 20.6622, 23.2216



0.0000, 0.0000, 0.0000



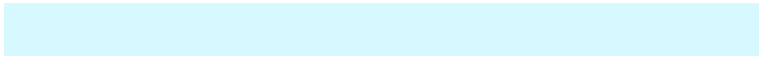
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1963, 75.4323, 89.5640



79.5378, 88.9419, 107.5832



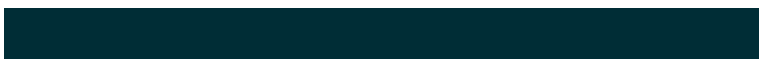
64.1609, 67.3615, 88.2188



15.2990, 16.6843, 19.3363



19.5524, 25.7518, 47.6830



1.5906, 2.1327, 3.7627

Inverse Universe

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



70.1385, 66.5627, 84.0178



82.3463, 76.2581, 99.5312



71.8573, 75.4151, 67.8975



15.6045, 15.2696, 18.4683



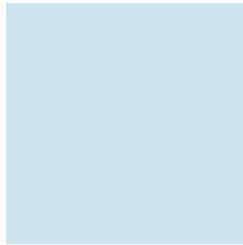
24.7245, 12.0925, 30.6800



1.9694, 0.9607, 2.5561

Previews

White Background



This preview shows how the XYZ color 68.1941, 75.4292, 89.5623 looks on a white background.

Color Contrast Check

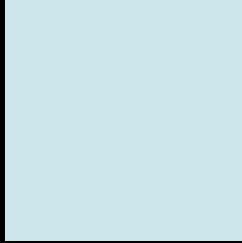
Large Text (above 18pt) WCAG AA × Fail

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 68.1941, 75.4292, 89.5623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

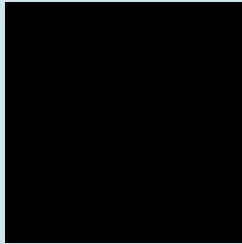
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1941, 75.4292, 89.5623

Background



This preview shows how black text looks on a background with the XYZ color 68.1941, 75.4292, 89.5623.

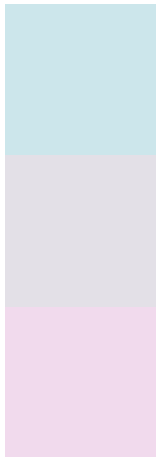


This preview shows how white text looks on a background with the XYZ color 68.1941, 75.4292,

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

68.1941, 75.4292, 89.5623

Protanopia

72.7580, 75.4117, 86.3225

Deuteranopia

76.6331, 74.9580, 90.5501



Tritanopia

69.8316, 75.2624, 98.0354

Trichromacy



Original Color

68.1941, 75.4292, 89.5623

Protanomaly

70.9753, 75.2790, 87.1334

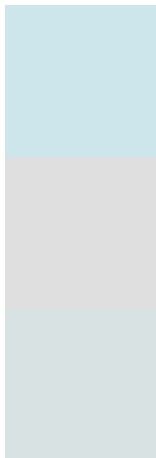
Deuteranomaly

73.2565, 74.7927, 89.9323

Tritanomaly

69.2232, 75.4286, 94.9151

Monochromacy



Original Color

68.1941, 75.4292, 89.5623

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.3804, 74.5377, 83.4035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1941, 75.4292, 89.5623 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, 230, 235)` looks like.

```
.text, #text, p{  
    color:rgb(204, 230, 235)  
}
```

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, 230, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 230, 235) }
```

Border

The CSS property to change the border of an element to XYZ 68.1941, 75.4292, 89.5623 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, 230, 235) }
```


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

```
.border{ border-color:rgb(204, 230, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 230, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 230, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 230, 235);  
box-shadow:4px 4px 4px 4px rgb(204, 230,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1941, 75.4292, 89.5623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 230, 235) }
```

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

```
.background{ background-color: rgb(204,  
230, 235) }
```

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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