

Converting Colors

XYZ(64.6660, 69.7297, 89.5279)

Have a look what the booklet for
XYZ(64.6660, 69.7297, 89.5279)
contains.

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Color

**XYZ(64.5529, 69.5219,
89.3736)**

Conversions

Conversions Part 1

Format	Color
Hex	C8DCEC
RGB	200, 220, 236
RGB Percent	78%, 86%, 93%
CMY	0.2157, 0.1372, 0.0745
CMYK	0.15, 0.07, 0.00, 0.07
HSL	207°, 49%, 85%
HSV	207°, 15%, 93%
XYZ	64.5529, 69.5219, 89.3736
YIQ	215.8440, -17.0560, 0.7360

Conversions

Conversions Part 2

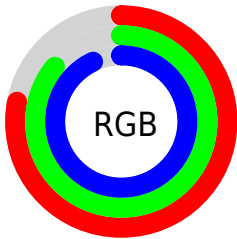
Format	Color
R_{YB}	200, 213, 236
Decimal	13163756
CIE _{Lab}	86.76, -3.44, -10.09
CIE _{LCh}	87, 10.654, 251.189
Yxy	69.5219, 0.2889, 0.3111
Android (android.graphics.Color)	4291353836 (0xFFC8DCEC)
YUV	215.8440, 9.9369, -13.8952
Hunter-Lab	83.3798, -7.7194, -5.1862

Details

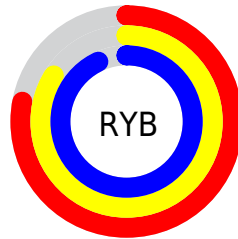
The XYZ color **64.5529, 69.5219, 89.3736** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.5736, 71.1144, 64.7044**, and the grayscale version is **65.1086, 68.4993, 74.5957**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.5474, 36.3165, 48.4217** is the 20% darker color. If you saturate the color by 10%, you get **56.0638, 61.1887, 88.2137**, and if you desaturate by 10%, it is **74.1917, 78.7077, 90.6397**.

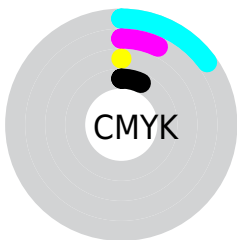
Distribution



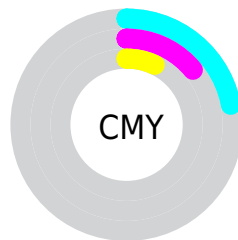
- Red (78%)
- Green (86%)
- Blue (93%)



- Red (78%)
- Yellow (84%)
- Blue (93%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)



- Cyan (22%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5529, 69.5219, 89.3736 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 64.5529, 69.5219, 89.3736 by changing the saturation by 10% instead.

■ 64.5529, 69.5219,
89.3736

■ 64.5529, 69.5219,
89.3736

430.7542,
458.8695, 546.5085

■ 47.3620, 51.1369,
66.8904

110.4761,
118.5267, 148.3959

■ 33.5311, 36.3175,
48.5346

139.9391,
149.9152, 185.7721

■ 22.6948, 24.6795,
33.8874

174.2235,
186.4071, 228.9498

■ 14.4877, 15.8385,
22.5305

213.6947,
228.3866, 278.3474

■ 8.5446, 9.4099,
14.0452

258.7180,
276.2382, 334.3836

■ 4.5001, 5.0095,
8.0130

309.6588,

■ 1.9888, 2.2528,

330.3463, 397.4768

4.0154

366.8824,
391.0953, 468.0456

■ 0.6276, 0.7486,
1.6338

■ 0.0000, 0.0000,
0.3147

■ 64.5529, 69.5219,
89.3736

■ 64.5529, 69.5219,
89.3736

■ 56.0638, 61.1887,
88.2137

■ 74.1917, 78.7077,
90.6397

■ 48.6706, 53.6704,
87.1521

■ 85.0187, 88.7651,
92.0104

■ 42.3241, 46.9385,
86.1873

■ 91.0233, 96.6018,
93.2065

■ 36.9689, 40.9596,
85.3155

■ 92.1405, 98.8362,
93.5789

■ 32.5437, 35.6970,
84.5329

■ 28.9799, 31.1100,
83.8354

■ 26.1980, 27.1522,
83.2181

■ 24.1008, 23.7679,
82.6754

■ 23.2746, 22.3244,
82.4403

Harmonies

Analogous

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



62.5548, 69.5219, 85.0513



64.5529, 69.5219, 89.3736



67.0081, 69.5219, 89.8994

Triad

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



64.5529, 69.5219, 89.3736



70.8673, 69.5219, 73.0785



62.9879, 69.5219, 65.8791

Complementary

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



64.5529, 69.5219, 89.3736



69.5736, 71.1144, 64.7044

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.



65.1575, 69.5219, 63.0761



64.5529, 69.5219, 89.3736



69.7321, 69.5219, 67.0560

Square

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



64.5529, 69.5219, 89.3736



70.6955, 69.5219, 80.1867



67.6279, 69.5219, 63.4930



61.6670, 69.5219, 71.3791

Rectangle

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



64.5529, 69.5219, 89.3736



68.5786, 69.5219, 87.9907



67.6279, 69.5219, 63.4930



63.6398, 69.5219, 64.6062

Sweetspot

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



64.5550, 69.5248, 89.3752



88.7330, 94.0998, 108.0941



66.1591, 77.2086, 76.1120



18.8087, 19.9683, 23.1129



0.0000, 0.0000, 0.0000



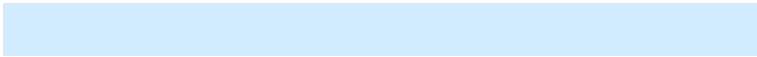
20.3446, 21.4041, 23.3091

Same Dimension

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



64.5550, 69.5248, 89.3752



73.9679, 79.9800, 106.1469



60.1755, 60.7658, 87.9153



14.9253, 15.9370, 19.2118



12.9605, 12.5679, 45.4857



1.1134, 1.1783, 3.6036

Inverse Universe

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



68.1662, 64.3102, 76.5338



79.0032, 72.8853, 88.2020



74.3276, 80.6223, 66.2890



15.4158, 15.1942, 17.4751



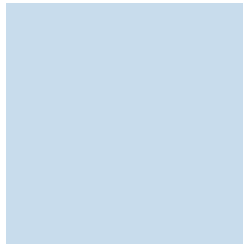
21.3971, 10.7615, 13.1586



1.7285, 0.8644, 1.2877

Previews

White Background



This preview shows how the XYZ color 64.5529, 69.5219, 89.3736 looks on a white background.

Color Contrast Check

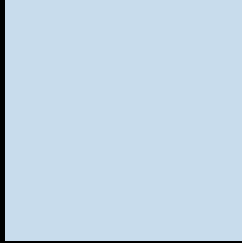
Large Text (above 18pt) WCAG AA × Fail

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 64.5529, 69.5219, 89.3736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

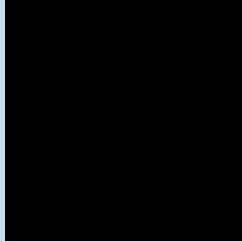
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

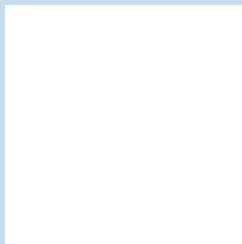
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.5529, 69.5219, 89.3736

Background



This preview shows how black text looks on a background with the XYZ color 64.5529, 69.5219, 89.3736.

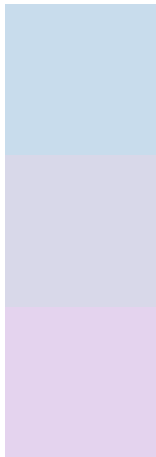


This preview shows how white text looks on a background with the XYZ color 64.5529, 69.5219,

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

64.5529, 69.5219, 89.3736

Protanopia

67.5827, 69.5939, 86.9618

Deuteranopia

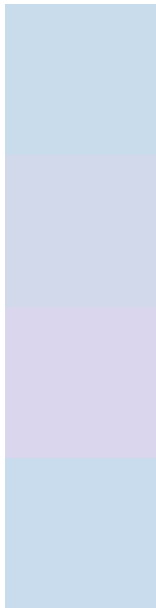
70.7218, 69.2556, 90.5291



Tritanopia

64.6987, 69.5802, 90.1411

Trichromacy



Original Color

64.5529, 69.5219, 89.3736

Protanomaly

66.2425, 69.2679, 87.7206

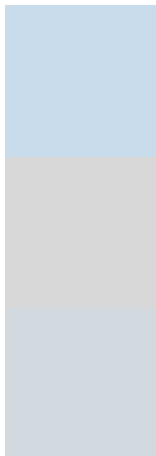
Deuteranomaly

68.2461, 69.1130, 89.8639

Tritanomaly

64.6987, 69.5802, 90.1411

Monochromacy



Original Color

64.5529, 69.5219, 89.3736

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.7105, 68.6551, 79.6532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5529, 69.5219, 89.3736 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(200, 220, 236)` looks like.

```
.text, #text, p{  
    color:rgb(200, 220, 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(200, 220, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 220, 236) }
```

Border

The CSS property to change the border of an element to XYZ 64.5529, 69.5219, 89.3736 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(200, 220, 236) }
```


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

```
.border{ border-color:rgb(200, 220, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 220, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 220, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 220, 236);  
box-shadow:4px 4px 4px 4px rgb(200, 220,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5529, 69.5219, 89.3736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 220, 236) }
```

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

```
.background{ background-color: rgb(200,  
220, 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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