

Converting Colors

XYZ(63.2539, 69.6361, 89.4642)

Have a look what the booklet for
XYZ(63.2539, 69.6361, 89.4642)
contains.

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Color

**XYZ(63.2539, 69.6361,
89.4642)**

Conversions

Conversions Part 1

Format	Color
Hex	C1DEEC
RGB	193, 222, 236
RGB Percent	76%, 87%, 93%
CMY	0.2431, 0.1294, 0.0745
CMYK	0.18, 0.06, 0.00, 0.07
HSL	200°, 53%, 84%
HSV	200°, 18%, 93%
XYZ	63.2539, 69.6361, 89.4642
YIQ	214.9250, -21.7780, -1.7940

Conversions

Conversions Part 2

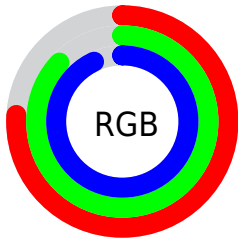
Format	Color
R _Y B	193, 210, 236
Decimal	12705516
CIE Lab	86.82, -6.65, -10.05
CIE LCh	87, 12.050, 236.528
Yxy	69.6361, 0.2845, 0.3132
Android (android.graphics.Color)	4290895596 (0xFFC1DEEC)
YUV	214.9250, 10.3900, -19.2282
Hunter-Lab	83.4482, -10.7312, -5.1506

Details

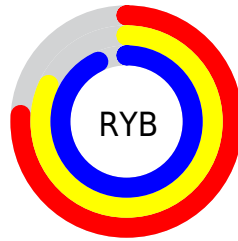
The XYZ color **63.2539, 69.6361, 89.4642** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.5312, 66.3088, 59.7458**, and the grayscale version is **64.4847, 67.8429, 73.8809**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **32.7044, 36.4217, 48.4864** is the 20% darker color. If you saturate the color by 10%, you get **55.7174, 62.7922, 88.5415**, and if you desaturate by 10%, it is **71.8475, 77.1666, 90.4659**.

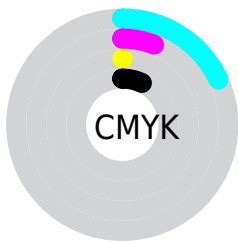
Distribution



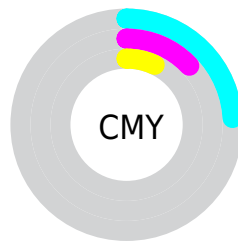
- Red (76%)
- Green (87%)
- Blue (93%)



- Red (76%)
- Yellow (82%)
- Blue (93%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)



- Cyan (24%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2539, 69.6361, 89.4642 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 63.2539, 69.6361, 89.4642 by changing the saturation by 10% instead.

■ 63.2539, 69.6361,
89.4642

■ 63.2539, 69.6361,
89.4642

426.1354,
459.2713, 546.8114

■ 46.3061, 51.2299,
66.9651

■ 108.6155,
118.6897, 148.5229

■ 32.6931, 36.3916,
48.5949

137.7599,
150.1058, 185.9197

■ 22.0495, 24.7368,
33.9349

171.7007,
186.6275, 229.1194

■ 14.0101, 15.8811,
22.5666

210.8030,
228.6389, 278.5406

■ 8.2094, 9.4400,
14.0716

255.4322,
276.5247, 334.6019

■ 4.2822, 5.0293,
8.0311

305.9538,

■ 1.8630, 2.2645,

330.6690, 397.7218

4.0268

362.7331,
391.4564, 468.3188

■ 0.5552, 0.7548,
1.6401

■ 0.0000, 0.0000,
0.3192

■ 63.2539, 69.6361,
89.4642

■ 63.2539, 69.6361,
89.4642

■ 55.7174, 62.7922,
88.5415

■ 71.8475, 77.1666,
90.4659

■ 49.1852, 56.6005,
87.6907

■ 81.5357, 85.3993,
91.5444

■ 43.6089, 51.0360,
86.9105

■ 89.0485, 92.6521,
92.5483

■ 38.9337, 46.0684,
86.1981

■ 91.4218, 97.3987,
93.3394

■ 35.0984, 41.6644,
85.5502

■ 92.1405, 98.8362,
93.5790

■ 32.0340, 37.7863,
84.9632

■ 29.6589, 34.3901,
84.4328

■ 27.8589, 31.4148,
83.9534

■ 27.5695, 30.9141,
83.8720

Harmonies

Analogous

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



61.4733, 69.6361, 82.9392



63.2539, 69.6361, 89.4642



65.8606, 69.6361, 92.3257

Triad

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



63.2539, 69.6361, 89.4642



71.7234, 69.6361, 76.7621



63.8050, 69.6361, 62.8125

Complementary

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



63.2539, 69.6361, 89.4642



66.5312, 66.3088, 59.7458

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.



66.5145, 69.6361, 61.4122



63.2539, 69.6361, 89.4642



71.1358, 69.6361, 69.1238

Square

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



63.2539, 69.6361, 89.4642



70.7933, 69.6361, 84.6730



69.2094, 69.6361, 63.6421



61.7850, 69.6361, 67.6101

Rectangle

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



63.2539, 69.6361, 89.4642



67.7348, 69.6361, 91.6314



69.2094, 69.6361, 63.6421



64.6630, 69.6361, 61.9442

Sweetspot

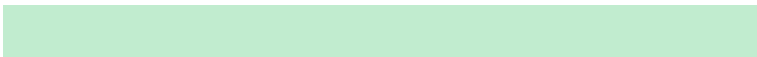
The Sweet Spot groups the original color and five complimentary colors.



63.2560, 69.6390, 89.4658



89.2041, 95.0420, 108.2511



63.2047, 75.8159, 70.0901



18.9232, 20.1974, 23.1511



0.0000, 0.0000, 0.0000



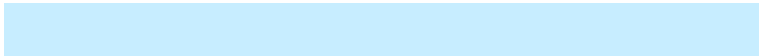
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2560, 69.6390, 89.4658



71.7852, 79.7655, 106.2205



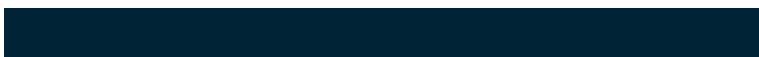
57.9935, 59.1139, 87.7116



15.0804, 16.2473, 19.2635



15.3193, 17.2856, 46.2720



1.2898, 1.5311, 3.6624

Inverse Universe

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



66.8485, 61.2483, 77.4092



76.8883, 68.1600, 89.0243



71.9945, 77.2354, 61.5669



15.4942, 15.2255, 17.8875



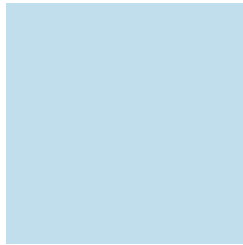
22.5878, 11.2378, 19.4283



1.8175, 0.9000, 1.7565

Previews

White Background



This preview shows how the XYZ color 63.2539, 69.6361, 89.4642 looks on a white background.

Color Contrast Check

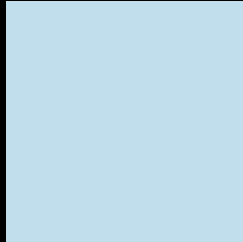
Large Text (above 18pt) WCAG AA × Fail

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 63.2539, 69.6361, 89.4642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

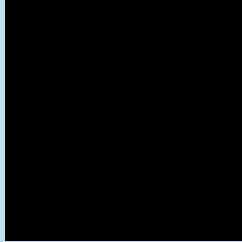
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.2539, 69.6361, 89.4642

Background



This preview shows how black text looks on a background with the XYZ color 63.2539, 69.6361, 89.4642.

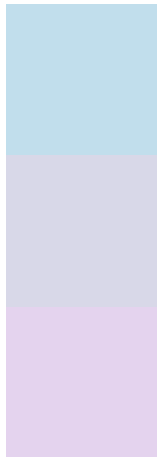


This preview shows how white text looks on a background with the XYZ color 63.2539, 69.6361,

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

63.2539, 69.6361, 89.4642

Protanopia

67.4403, 69.5369, 86.2114

Deuteranopia

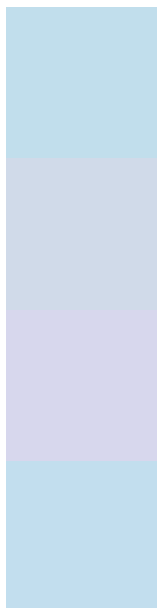
70.7218, 69.2556, 90.5291



Tritanopia

63.9494, 69.9439, 91.7914

Trichromacy



Original Color

63.2539, 69.6361, 89.4642

Protanomaly

65.7918, 69.4359, 87.0257

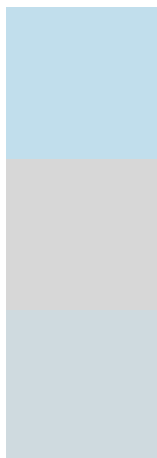
Deuteranomaly

67.6108, 69.1624, 89.9070

Tritanomaly

63.8020, 69.8849, 91.0153

Monochromacy



Original Color

63.2539, 69.6361, 89.4642

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.1228, 68.7359, 79.6998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2539, 69.6361, 89.4642 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(193, 222, 236)` looks like.

```
.text, #text, p{  
    color:rgb(193, 222, 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(193, 222, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 222, 236) }
```

Border

The CSS property to change the border of an element to XYZ 63.2539, 69.6361, 89.4642 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(193, 222, 236) }
```


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

```
.border{ border-color:rgb(193, 222, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 222, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 222, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 222, 236);  
box-shadow:4px 4px 4px 4px rgb(193, 222,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2539, 69.6361, 89.4642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 222, 236) }
```

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

```
.background{ background-color: rgb(193,  
222, 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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