

Converting Colors

XYZ(64.2259, 72.5119, 76.1518)

Have a look what the booklet for
XYZ(64.2259, 72.5119, 76.1518)
contains.

XYZ(64.0809, 72.3654, 76.2361)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.0809, 72.3654,
76.2361)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E3D9
RGB	201, 227, 217
RGB Percent	79%, 89%, 85%
CMY	0.2118, 0.1098, 0.1490
CMYK	0.11, 0.00, 0.04, 0.11
HSL	157°, 32%, 84%
HSV	157°, 11%, 89%
XYZ	64.0809, 72.3654, 76.2361
YIQ	218.0860, -12.2860, -8.6220

Conversions

Conversions Part 2

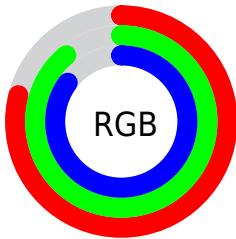
Format	Color
R _Y B	201, 217, 227
Decimal	13231065
CIE Lab	88.14, -10.47, 1.96
CIE LCh	88, 10.650, 169.372
Yxy	72.3654, 0.3013, 0.3403
Android (android.graphics.Color)	4291421145 (0xFFC9E3D9)
YUV	218.0860, -0.5354, -14.9844
Hunter-Lab	85.0679, -14.4062, 6.4130

Details

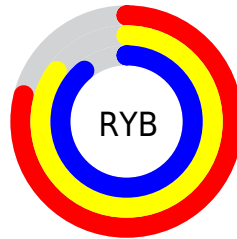
The XYZ color **64.0809, 72.3654, 76.2361** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.3257, 62.8093, 70.3646**, and the grayscale version is **66.7112, 70.1854, 76.4319**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3067, 38.3167, 39.8228** is the 20% darker color. If you saturate the color by 10%, you get **57.3180, 69.0088, 70.1471**, and if you desaturate by 10%, it is **71.8098, 76.2170, 82.6872**.

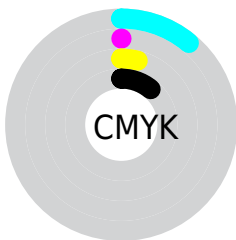
Distribution



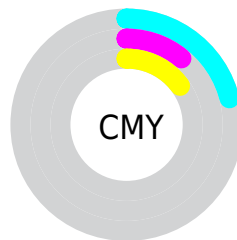
- Red (79%)
- Green (89%)
- Blue (85%)



- Red (79%)
- Yellow (85%)
- Blue (89%)



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (21%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0809, 72.3654, 76.2361 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 64.0809, 72.3654, 76.2361 by changing the saturation by 10% instead.

64.0809, 72.3654,
76.2361

64.0809, 72.3654,
76.2361

429.0793,
468.8124, 501.5239

46.9781, 53.4572,
56.1183

109.8005,
122.5759, 129.8237

33.2262, 38.1679,
39.8932

139.1481,
154.6470, 164.1307

22.4599, 26.1130,
27.1421

173.3079,
191.8745, 204.0044

14.3137, 16.9082,
17.4466

212.6455,
234.6429, 249.8635

8.4223, 10.1691,
10.3881

257.5260,
283.3364, 302.1264

4.4204, 5.5112,
5.5481

308.3149,

1.9426, 2.5502,

338.3396, 361.2117

2.5080

365.3776,
400.0368, 427.5381

0.6014, 0.9017,
0.8444

0.0000, 0.0000,
0.0000

64.0809, 72.3654,
76.2361

64.0809, 72.3654,
76.2361

57.3180, 69.0088,
70.1471

71.8098, 76.2170,
82.6872

51.4748, 66.1175,
64.4086

80.5365, 80.5740,
89.5020

46.5099, 63.6722,
59.0153

84.9183, 82.6840,
96.4365

42.3765, 61.6490,
53.9600

86.2705, 83.2249,
103.5569

■ 39.0232, 60.0214,
49.2351

■ 86.7604, 83.4208,
106.1368

■ 36.3927, 58.7600,
44.8326

■ 34.4192, 57.8311,
40.7440

■ 33.0242, 57.1943,
36.9599

■ 32.1802, 56.8247,
33.9582

Harmonies

Analogous

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



65.1321, 72.3654, 70.0124



64.0809, 72.3654, 76.2361



64.2654, 72.3654, 83.5364

Triad

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



64.0809, 72.3654, 76.2361



70.4178, 72.3654, 92.7742



72.0183, 72.3654, 68.6245

Complementary

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



64.0809, 72.3654, 76.2361



64.3257, 62.8093, 70.3646

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.



73.5036, 72.3654, 74.2338



64.0809, 72.3654, 76.2361



72.5640, 72.3654, 88.2800

Square

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



64.0809, 72.3654, 76.2361



67.8822, 72.3654, 93.3925



73.7058, 72.3654, 81.4077



69.6879, 72.3654, 65.8014

Rectangle

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



64.0809, 72.3654, 76.2361



65.0657, 72.3654, 88.0265



73.7058, 72.3654, 81.4077



72.6354, 72.3654, 70.2301

Sweetspot

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



64.0829, 72.3685, 76.2377



91.8211, 98.3897, 106.2945



64.9929, 73.0665, 65.9373



19.4731, 20.9695, 22.6039



0.0000, 0.0000, 0.0000



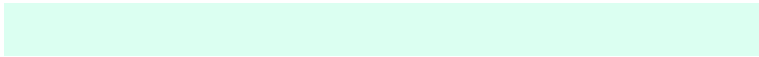
20.3446, 21.4041, 23.3091

Same Dimension

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



64.0829, 72.3685, 76.2377



80.9808, 92.9934, 97.1091



64.7183, 71.4931, 83.0651



14.5602, 16.2375, 17.2146



18.8254, 33.1622, 20.1125



1.4362, 2.4686, 1.7236

Inverse Universe

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



64.3257, 62.8093, 70.3646



81.3627, 77.9648, 87.8765



63.7214, 63.5457, 64.1667



14.6053, 14.4593, 16.1220



19.5390, 9.9498, 6.4672



1.4881, 0.7530, 0.7111

Previews

White Background



This preview shows how the XYZ color 64.0809, 72.3654, 76.2361 looks on a white background.

Color Contrast Check

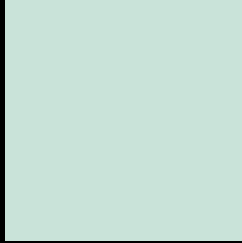
Large Text (above 18pt) WCAG AA × Fail

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 64.0809, 72.3654, 76.2361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

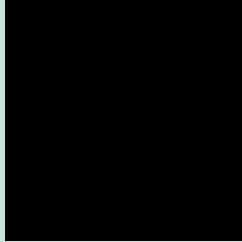
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

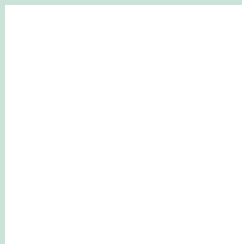
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.0809, 72.3654, 76.2361

Background



This preview shows how black text looks on a background with the XYZ color 64.0809, 72.3654, 76.2361.

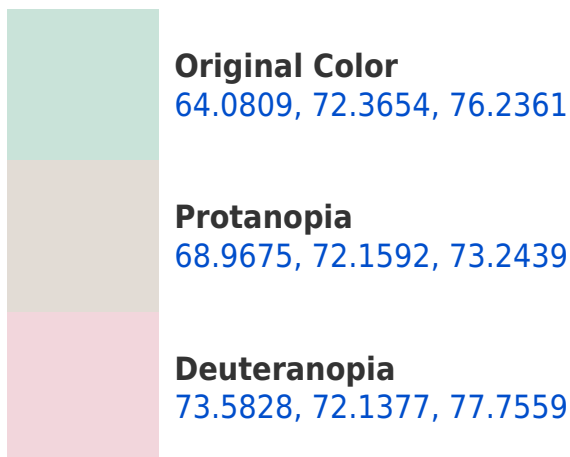


This preview shows how white text looks on a background with the XYZ color 64.0809, 72.3654,

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

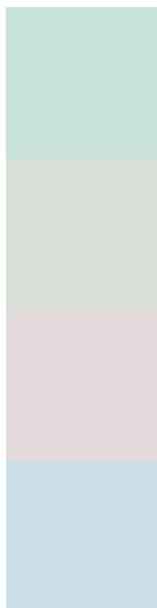




Tritanopia

67.4417, 72.1054, 93.5823

Trichromacy



Original Color

64.0809, 72.3654, 76.2361

Protanomaly

67.1405, 72.3821, 74.0508

Deuteranomaly

69.7963, 72.1084, 77.2575

Tritanomaly

66.1230, 71.9749, 86.7514

Monochromacy



Original Color

64.0809, 72.3654, 76.2361

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.6627, 70.7719, 76.5292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0809, 72.3654, 76.2361 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(201, 227, 217)` looks like.

```
.text, #text, p{  
    color:rgb(201, 227, 217)  
}
```

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(201, 227, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 227, 217) }
```

Border

The CSS property to change the border of an element to XYZ 64.0809, 72.3654, 76.2361 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(201, 227, 217) }
```


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

```
.border{ border-color:rgb(201, 227, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 227, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 227, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 227, 217);  
box-shadow:4px 4px 4px 4px rgb(201, 227,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0809, 72.3654, 76.2361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 227, 217) }
```

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

```
.background{ background-color: rgb(201,  
227, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor