

Converting Colors

XYZ(64.1656, 67.3796, 72.9988)

Have a look what the booklet for
XYZ(64.1656, 67.3796, 72.9988)
contains.

XYZ(64.2085, 67.3952, 73.2428)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(64.2085, 67.3952,
73.2428)**

Conversions

Conversions Part 1

Format	Color
Hex	D7D6D6
RGB	215, 214, 214
RGB Percent	84%, 84%, 84%
CMY	0.1569, 0.1608, 0.1608
CMYK	0.00, 0.00, 0.00, 0.16
HSL	0°, 1%, 84%
HSV	0°, 0%, 84%
XYZ	64.2085, 67.3952, 73.2428
YIQ	214.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

Format	Color
RYB	215, 214, 214
Decimal	14145238
CIELab	85.70, 0.35, 0.11
CIELCh	86, 0.362, 17.814
Yxy	67.3952, 0.3134, 0.3290
Android (android.graphics.Color)	4292335318 (0xFFD7D6D6)
YUV	214.2990, -0.1474, 0.6148
Hunter-Lab	82.0946, -4.0556, 4.5691

Details

The XYZ color **64.2085, 67.3952, 73.2428** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.2979, 67.8026, 73.9893**, and the grayscale version is **64.1201, 67.4594, 73.4633**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1533, 34.7731, 37.7654** is the 20% darker color. If you saturate the color by 10%, you get **56.5719, 56.2294, 58.0327**, and if you desaturate by 10%, it is **72.9246, 80.1382, 90.6025**.

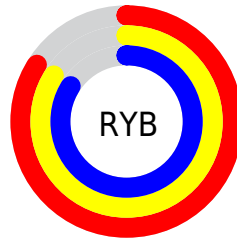
Distribution



Red (84%)

Green (84%)

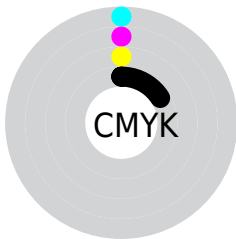
Blue (84%)



Red (84%)

Yellow (84%)

Blue (84%)

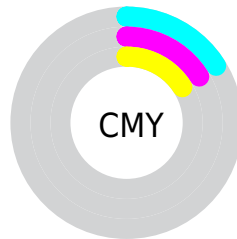


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (16%)



Cyan (16%)

Magenta (16%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2085, 67.3952, 73.2428 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 64.2085, 67.3952, 73.2428 by changing the saturation by 10% instead.

■ 64.2085, 67.3952,
73.2428

■ 64.2085, 67.3952,
73.2428

429.5325,
451.3502, 490.9492

■ 47.0819, 49.4059,
53.6815

109.9832,
115.4865, 125.5459

■ 33.3086, 34.9415,
37.9556

139.3620,
146.3573, 159.1249

■ 22.5233, 23.6178,
25.6467

173.5556,
182.2906, 198.2134

■ 14.3607, 15.0504,
16.3361

212.9293,
223.6710, 243.2301

■ 8.4553, 8.8548,
9.6054

257.8485,
270.8827, 294.5935

■ 4.4419, 4.6466,
5.0359

308.6785,

■ 1.9550, 2.0414,

324.3102, 352.7221

2.2093

365.7847,
384.3379, 418.0345

■ 0.6085, 0.6314,
0.6797

■ 0.0000, 0.0000,
0.0000

■ 64.2085, 67.3952,
73.2428

■ 64.2085, 67.3952,
73.2428

■ 56.5719, 56.2294,
58.0327

■ 72.9246, 80.1382,
90.6025

■ 49.9675, 46.5714,
44.8843

■ 81.8348, 93.1873,
108.2815

■ 44.3526, 38.3590,
33.7104

■ 39.6797, 31.5229,
24.4156

■ 35.8971, 25.9878,
16.8968

■ 32.9485, 21.6712,
11.0409

■ 30.7708, 18.4813,
6.7217

■ 29.2920, 16.3131,
3.7954

■ 28.4269, 15.0423,
2.0906

Harmonies

Analogous

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



64.2125, 67.3952, 73.4780



64.2085, 67.3952, 73.2428



64.1639, 67.3952, 73.0453

Triad

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



64.2085, 67.3952, 73.2428



63.9395, 67.3952, 73.0768



64.0236, 67.3952, 73.8276

Complementary

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



64.2085, 67.3952, 73.2428



64.2979, 67.8026, 73.9893

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.



63.9505, 67.3952, 73.7196



64.2085, 67.3952, 73.2428



63.9019, 67.3952, 73.2859

Square

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



64.2085, 67.3952, 73.2428



64.0085, 67.3952, 72.9496



63.9060, 67.3952, 73.5212



64.1057, 67.3952, 73.8160

Rectangle

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



64.2085, 67.3952, 73.2428



64.1171, 67.3952, 72.9614



63.9060, 67.3952, 73.5212



63.9971, 67.3952, 73.8041

Sweetspot

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



64.2104, 67.3981, 73.2443

95.0500, 100.0000, 108.9000



64.3377, 67.4476, 73.9187



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

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



64.2104, 67.3981, 73.2443



93.8368, 98.2262, 106.4836



64.3363, 67.6498, 73.2862



13.8359, 14.4880, 15.7108



16.7683, 8.6539, 0.7866



1.0126, 0.5244, 0.0479

Inverse Universe

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



64.2979, 67.8026, 73.9893



94.1152, 99.5139, 108.8554



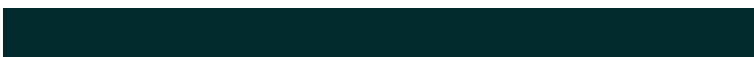
64.1716, 67.5501, 73.9473



13.8742, 14.6651, 16.0369



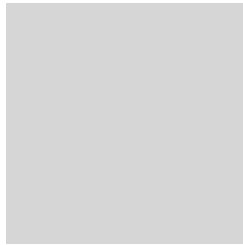
21.7599, 31.7815, 43.4407



1.3137, 1.9194, 2.6205

Previews

White Background



This preview shows how the XYZ color 64.2085, 67.3952, 73.2428 looks on a white background.

Color Contrast Check

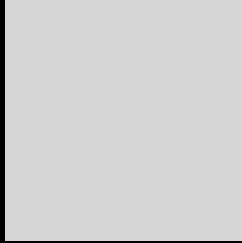
Large Text (above 18pt) WCAG AA × Fail

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 64.2085, 67.3952, 73.2428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

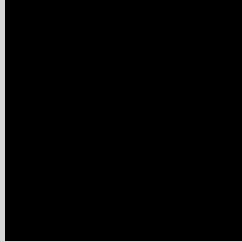
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

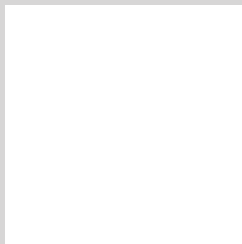
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2085, 67.3952, 73.2428

Background



This preview shows how black text looks on a background with the XYZ color 64.2085, 67.3952, 73.2428.

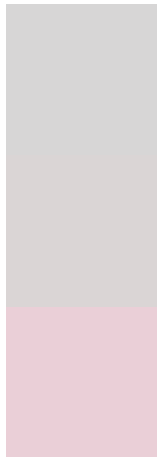


This preview shows how white text looks on a background with the XYZ color 64.2085, 67.3952,

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

64.2085, 67.3952, 73.2428

Protanopia

64.7179, 67.2980, 72.5296

Deuteranopia

68.5102, 67.0244, 73.6161



Tritanopia

66.1623, 67.4401, 82.9289

Trichromacy



Original Color

64.2085, 67.3952, 73.2428

Protanomaly

64.4198, 67.1443, 72.5157

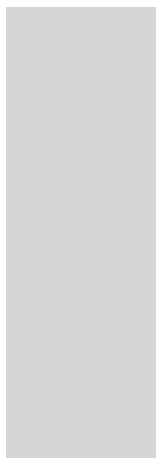
Deuteranomaly

66.9909, 67.3304, 73.7552

Tritanomaly

65.4324, 67.5151, 79.3951

Monochromacy



Original Color

64.2085, 67.3952, 73.2428

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.9157, 67.2443, 73.2291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2085, 67.3952, 73.2428 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(215, 214, 214) looks like.

```
.text, #text, p{  
    color:rgb(215, 214, 214)  
}
```

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(215, 214, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 214, 214) }
```

Border

The CSS property to change the border of an element to XYZ 64.2085, 67.3952, 73.2428 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(215, 214, 214) }
```

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

```
.border{ border-color:rgb(215, 214, 214) }
```

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

Here you see how a box with a 4 pixel rgb(215, 214, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 214, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 214, 214);  
box-shadow:4px 4px 4px 4px rgb(215, 214,  
214) }
```


Background

The CSS property to change the background color of an element to XYZ 64.2085, 67.3952, 73.2428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 214, 214) }
```

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

```
.background{ background-color: rgb(215,  
214, 214) }
```

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