

Converting Colors

XYZ(64.2006, 63.3883, 77.0836)

Have a look what the booklet for
XYZ(64.2006, 63.3883, 77.0836)
contains.

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Color

**XYZ(64.2259, 63.3045,
77.2405)**

Conversions

Conversions Part 1

Format	Color
Hex	DDCBDD
RGB	221, 203, 221
RGB Percent	87%, 80%, 87%
CMY	0.1333, 0.2039, 0.1333
CMYK	0.00, 0.08, 0.00, 0.13
HSL	300°, 21%, 83%
HSV	300°, 8%, 87%
XYZ	64.2259, 63.3045, 77.2405
YIQ	210.4340, 4.9500, 9.4140

Conversions

Conversions Part 2

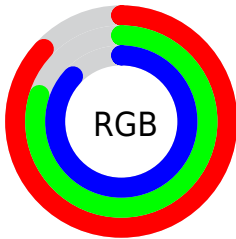
Format	Color
RYB	221, 203, 221
Decimal	14535645
CIELab	83.60, 9.44, -6.64
CIELCh	84, 11.543, 324.865
Yxy	63.3045, 0.3136, 0.3091
Android (android.graphics.Color)	4292725725 (0xFFDDCBDD)
YUV	210.4340, 5.2090, 9.2664
Hunter-Lab	79.5641, 4.8519, -1.8636

Details

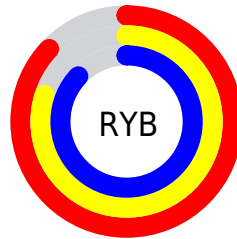
The XYZ color **64.2259, 63.3045, 77.2405** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.2670, 68.7230, 66.5390**, and the grayscale version is **61.5099, 64.7132, 70.4726**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3563, 32.3551, 40.5635** is the 20% darker color. If you saturate the color by 10%, you get **59.3751, 53.6020, 75.6241**, and if you desaturate by 10%, it is **69.8243, 74.5003, 79.1076**.

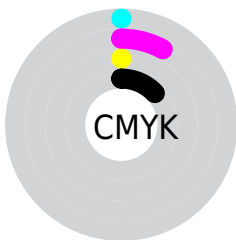
Distribution



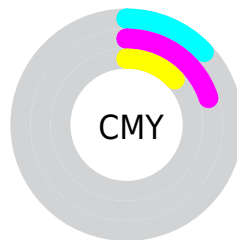
- Red (87%)
- Green (80%)
- Blue (87%)



- Red (87%)
- Yellow (80%)
- Blue (87%)



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



- Cyan (13%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2259, 63.3045, 77.2405 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 64.2259, 63.3045, 77.2405 by changing the saturation by 10% instead.

■ 64.2259, 63.3045,
77.2405

■ 64.2259, 63.3045,
77.2405

429.5943,
436.6737, 505.0431

■ 47.0960, 46.0876,
56.9375

110.0081,
109.6087, 131.2550

■ 33.3198, 32.3149,
40.5461

139.3912,
139.4648, 165.8037

■ 22.5320, 21.6022,
27.6475

173.5894,
174.3027, 205.9380

■ 14.3671, 13.5649,
17.8234

212.9680,
214.5068, 252.0765

■ 8.4598, 7.8187,
10.6552

257.8924,
260.4616, 304.6377

■ 4.4448, 3.9791,
5.7242

308.7281,

■ 1.9567, 1.6619,

312.5514, 364.0401

2.6121

365.8402,
371.1607, 430.7024

■ 0.6095, 0.3988,
0.8987

■ 0.0000, 0.0000,
0.0000

■ 64.2259, 63.3045,
77.2405

■ 64.2259, 63.3045,
77.2405

■ 59.3751, 53.6020,
75.6241

■ 69.8243, 74.5003,
79.1076

■ 55.2351, 45.3221,
74.2439


■ 76.1943, 87.2402,
81.2311


■ 51.7742, 38.4003,
73.0901


■ 78.6307, 92.1130,
82.0435


■ 48.9562, 32.7643,
72.1505

■ 78.6308, 92.1130,
82.0437


 46.7414, 28.3348,
71.4121


 78.6308, 92.1130,
82.0439


 45.0859, 25.0239,
70.8600


 78.6308, 92.1130,
82.0441


 43.9397, 22.7317,
70.4778

 78.6309, 92.1130,
82.0444

 43.2442, 21.3406,
70.2457

 78.6309, 92.1131,
82.0446

 42.9148, 20.6819,
70.1357

 78.6310, 92.1131,
82.0448

Harmonies

Analogous

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



62.2329, 63.3045, 82.3235



64.2259, 63.3045, 77.2405



65.1334, 63.3045, 70.1795

Triad

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



64.2259, 63.3045, 77.2405



60.6045, 63.3045, 55.9904



55.8722, 63.3045, 74.9389

Complementary

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



64.2259, 63.3045, 77.2405



61.2670, 68.7230, 66.5390

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.



55.4635, 63.3045, 67.6912



64.2259, 63.3045, 77.2405



58.1513, 63.3045, 57.0704

Square

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



64.2259, 63.3045, 77.2405



63.0056, 63.3045, 58.1744



56.2867, 63.3045, 61.2341



57.4189, 63.3045, 80.9309

Rectangle

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



64.2259, 63.3045, 77.2405



64.9828, 63.3045, 65.4233



56.2867, 63.3045, 61.2341



55.5990, 63.3045, 72.5554

Sweetspot

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



64.2277, 63.3072, 77.2419



93.4445, 96.7891, 108.3648



59.0385, 60.6321, 76.9992



20.0178, 20.7505, 23.2001



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.



64.2277, 63.3072, 77.2419



87.4478, 84.7957, 106.3656



63.0605, 62.8403, 71.0953



13.6144, 13.2749, 16.4968



24.9035, 11.9625, 40.7336



1.6134, 0.7750, 2.6389

Inverse Universe

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



64.2277, 63.3072, 77.2419



87.4478, 84.7957, 106.3656



62.3710, 69.1646, 72.3524



13.6144, 13.2749, 16.4968



24.9035, 11.9625, 40.7336



1.6134, 0.7750, 2.6389

Previews

White Background



This preview shows how the XYZ color 64.2259, 63.3045, 77.2405 looks on a white background.

Color Contrast Check

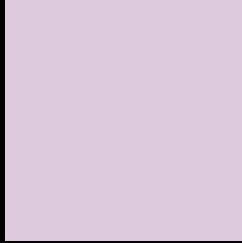
Large Text (above 18pt) WCAG AA × Fail

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 64.2259, 63.3045, 77.2405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

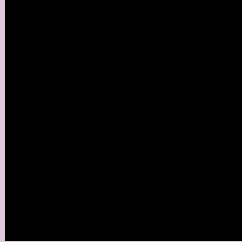
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.2259, 63.3045, 77.2405

Background



This preview shows how black text looks on a background with the XYZ color 64.2259, 63.3045, 77.2405.

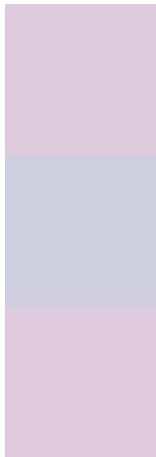


This preview shows how white text looks on a background with the XYZ color 64.2259, 63.3045,

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

64.2259, 63.3045, 77.2405

Protanopia

61.7798, 63.4174, 79.5056

Deuteranopia

64.6031, 63.1495, 77.1907



Tritanopia

63.9609, 63.1985, 75.8453

Trichromacy



Original Color

64.2259, 63.3045, 77.2405

Protanomaly

62.8312, 63.6165, 78.7797

Deuteranomaly

64.2959, 62.9911, 77.1764

Tritanomaly

64.0930, 63.2513, 76.5408

Monochromacy



Original Color

64.2259, 63.3045, 77.2405

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

62.1820, 63.7768, 72.6511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2259, 63.3045, 77.2405 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(221, 203, 221)` looks like.

```
.text, #text, p{  
    color:rgb(221, 203, 221)  
}
```

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(221, 203, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 203, 221) }
```

Border

The CSS property to change the border of an element to XYZ 64.2259, 63.3045, 77.2405 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(221, 203, 221) }
```


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

```
.border{ border-color:rgb(221, 203, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 203, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 203, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 203, 221);  
box-shadow:4px 4px 4px 4px rgb(221, 203,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2259, 63.3045, 77.2405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 203, 221) }
```

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

```
.background{ background-color: rgb(221,  
203, 221) }
```

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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