

Converting Colors

XYZ(59.8853, 52.1401, 80.5318)

Have a look what the booklet for
XYZ(59.8853, 52.1401, 80.5318)
contains.

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Color

**XYZ(59.7650, 51.9494,
80.2761)**

Conversions

Conversions Part 1

Format	Color
Hex	DFAFE4
RGB	223, 175, 228
RGB Percent	87%, 69%, 89%
CMY	0.1255, 0.3137, 0.1059
CMYK	0.02, 0.23, 0.00, 0.11
HSL	294°, 50%, 79%
HSV	294°, 23%, 89%
XYZ	59.7650, 51.9494, 80.2761
YIQ	195.3940, 11.5950, 26.6590

Conversions

Conversions Part 2

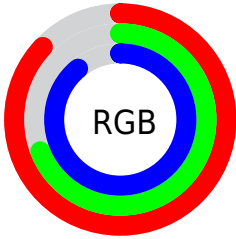
Format	Color
R _Y B	223, 175, 228
Decimal	14659556
CIE Lab	77.25, 26.42, -19.90
CIE LCh	77, 33.073, 323.006
Yxy	51.9494, 0.3113, 0.2706
Android (android.graphics.Color)	4292849636 (0xFFDFAFE4)
YUV	195.3940, 16.0748, 24.2105
Hunter-Lab	72.0759, 21.8784, -15.5823

Details

The XYZ color **59.7650, 51.9494, 80.2761** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.3056, 68.2866, 50.8785**, and the grayscale version is **52.0103, 54.7189, 59.5889**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **30.3423, 25.1131, 42.2778** is the 20% darker color. If you saturate the color by 10%, you get **55.0386, 43.4733, 78.8899**, and if you desaturate by 10%, it is **65.2522, 61.9327, 81.9146**.

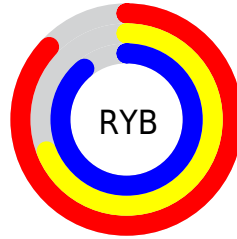
Distribution



Red (87%)

Green (69%)

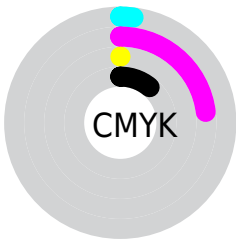
Blue (89%)



Red (87%)

Yellow (69%)

Blue (89%)

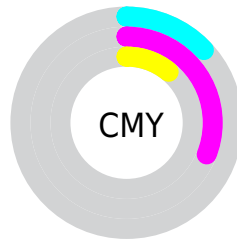


Cyan (2%)

Magenta (23%)

Yellow (0%)

Black (11%)



Cyan (13%)


Magenta (31%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7650, 51.9494, 80.2761 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 59.7650, 51.9494, 80.2761 by changing the saturation by 10% instead.


 59.7650, 51.9494,
80.2761

 59.7650, 51.9494,
80.2761


413.5797,
394.2412, 515.5941

 43.4780, 36.9647,
59.4181


 103.5970, 93.0566,
135.5687

 30.4565, 25.1802,
42.5275


131.8727,
119.9480, 170.8405

 20.3351, 16.2114,
29.1859


164.8753,
151.5770, 211.7538

 12.7485, 9.6738,
18.9747

202.9701,
188.3281, 258.7273

 7.3314, 5.1832,
11.4754

246.5227,
230.5857, 312.1796

 3.7184, 2.3552,
6.2694

295.8982,

 1.5441, 0.8027,

278.7341, 372.5291

2.9381

351.4621,
333.1579, 440.1944

■ 0.3555, 0.0000,
1.0631

■ 0.0000, 0.0000,
0.0000

■ 59.7650, 51.9494,
80.2761

■ 59.7650, 51.9494,
80.2761

■ 55.0386, 43.4733,
78.8899

■ 65.2522, 61.9327,
81.9146

■ 51.0306, 36.4224,
77.7402

■ 71.5305, 73.4865,
83.8138

■ 47.7016, 30.7173,
76.8145

■ 78.6341, 86.6785,
85.9858

■ 45.0067, 26.2679,
76.0977

■ 82.9145, 94.2113,
87.2141

42.8953, 22.9732,
75.5730

83.6154, 94.5727,
87.2469

41.3091, 20.7166,
75.2211

84.3250, 94.9385,
87.2801

40.1773, 19.3566,
75.0182

85.0431, 95.3087,
87.3138

39.5941, 18.7938,
74.9403

85.7699, 95.6834,
87.3478

86.5054, 96.0625,
87.3822

Harmonies

Analogous

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



54.2947, 51.9494, 95.1625



59.7650, 51.9494, 80.2761



62.4891, 51.9494, 60.9221

Triad

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



59.7650, 51.9494, 80.2761



50.8755, 51.9494, 28.5096



38.9855, 51.9494, 71.3326

Complementary

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



59.7650, 51.9494, 80.2761



54.3056, 68.2866, 50.8785

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.



38.2397, 51.9494, 52.4190



59.7650, 51.9494, 80.2761



44.7644, 51.9494, 30.1333

Square

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



59.7650, 51.9494, 80.2761



57.0797, 51.9494, 33.0139



40.2672, 51.9494, 38.0520



42.3992, 51.9494, 89.2755

Rectangle

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



59.7650, 51.9494, 80.2761



62.2297, 51.9494, 49.0664



40.2672, 51.9494, 38.0520



38.4272, 51.9494, 64.7890

Sweetspot

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



59.7666, 51.9517, 80.2772



89.0008, 88.8173, 107.0603



48.0669, 47.4817, 80.0311



18.9434, 18.8146, 22.8831



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.



59.7666, 51.9517, 80.2772



73.9127, 61.3398, 102.5519



58.5646, 51.6514, 65.7881



14.8540, 14.5425, 18.1684



22.9176, 10.8804, 43.2754



1.7328, 0.8243, 3.1997

Inverse Universe

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



55.5649, 50.4516, 49.9921



67.6285, 59.1074, 56.7523



55.4110, 68.5968, 62.6661



14.4319, 14.3900, 15.2090



18.5750, 9.5642, 1.3908



1.3916, 0.7144, 0.2027

Previews

White Background



This preview shows how the XYZ color 59.7650, 51.9494, 80.2761 looks on a white background.

Color Contrast Check

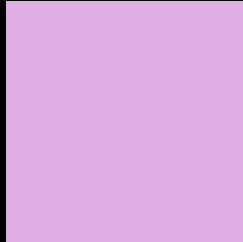
Large Text (above 18pt) WCAG AA × Fail

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 59.7650, 51.9494, 80.2761 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 59.7650, 51.9494, 80.2761

Background



This preview shows how black text looks on a background with the XYZ color 59.7650, 51.9494, 80.2761.



This preview shows how white text looks on a background with the XYZ color 59.7650, 51.9494,

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

59.7650, 51.9494, 80.2761

Protanopia

52.2206, 52.1519, 88.2029

Deuteranopia

53.4901, 52.3691, 79.2405



Tritanopia

55.2876, 51.8933, 58.7322

Trichromacy



Original Color

59.7650, 51.9494, 80.2761

Protanomaly

54.4974, 51.8236, 84.9725

Deuteranomaly

55.7005, 52.2504, 79.8226

Tritanomaly

56.8978, 51.9608, 66.0621

Monochromacy



Original Color

59.7650, 51.9494, 80.2761

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

54.4225, 53.4506, 66.4801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7650, 51.9494, 80.2761 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(223, 175, 228)` looks like.

```
.text, #text, p{  
    color:rgb(223, 175, 228)  
}
```

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(223, 175, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 175, 228) }
```

Border

The CSS property to change the border of an element to XYZ 59.7650, 51.9494, 80.2761 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(223, 175, 228) }
```


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

```
.border{ border-color:rgb(223, 175, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 175, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 175, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 175, 228);  
box-shadow:4px 4px 4px 4px rgb(223, 175,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7650, 51.9494, 80.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 175, 228) }
```

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

```
.background{ background-color: rgb(223,  
175, 228) }
```

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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