

Converting Colors

XYZ(51.1633, 40.5896, 75.6599)

Have a look what the booklet for
XYZ(51.1633, 40.5896, 75.6599)
contains.

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Color

**XYZ(51.1958, 40.5587,
75.6513)**

Conversions

Conversions Part 1

Format	Color
Hex	D494E0
RGB	212, 148, 224
RGB Percent	83%, 58%, 88%
CMY	0.1686, 0.4196, 0.1216
CMYK	0.05, 0.34, 0.00, 0.12
HSL	291°, 55%, 73%
HSV	291°, 34%, 88%
XYZ	51.1958, 40.5587, 75.6513
YIQ	175.8000, 13.7480, 37.2040

Conversions

Conversions Part 2

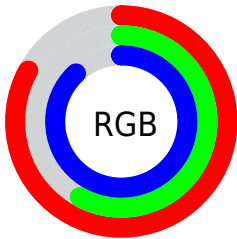
Format	Color
R _Y B	212, 148, 224
Decimal	13931744
CIE Lab	69.87, 36.71, -29.10
CIE LCh	70, 46.841, 321.600
Yxy	40.5587, 0.3058, 0.2423
Android (android.graphics.Color)	4292121824 (0xFFD494E0)
YUV	175.8000, 23.7626, 31.7474
Hunter-Lab	63.6857, 32.0429, -25.8497

Details

The XYZ color **51.1958, 40.5587, 75.6513** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.4996, 62.9240, 37.7137**, and the grayscale version is **41.0391, 43.1763, 47.0190**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **25.0546, 18.2982, 39.7475** is the 20% darker color. If you saturate the color by 10%, you get **47.0083, 33.6800, 74.5449**, and if you desaturate by 10%, it is **56.0881, 48.8121, 76.9871**.

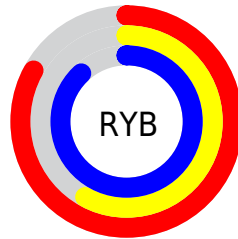
Distribution



Red (83%)

Green (58%)

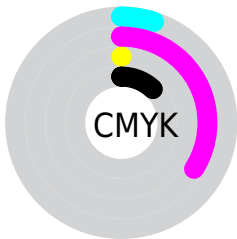
Blue (88%)



Red (83%)

Yellow (58%)

Blue (88%)

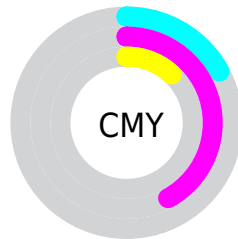


Cyan (5%)

Magenta (34%)

Yellow (0%)

Black (12%)



Cyan (17%)

Magenta (42%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1958, 40.5587, 75.6513 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 51.1958, 40.5587, 75.6513 by changing the saturation by 10% instead.

51.1958, 40.5587,
75.6513

51.1958, 40.5587,
75.6513

381.6992,
348.4728, 499.4682

36.5861, 27.9744,
55.6417

91.1254, 76.0135,
128.9894

25.0594, 18.3064,
39.5136

117.1760, 99.6529,
163.1551

16.2503, 11.1702,
26.8486

147.7711,
127.7460, 202.8764

9.7934, 6.1814,
17.2282

183.2758,
160.6774, 248.5720

5.3234, 2.9557,
10.2336

224.0556,
198.8314, 300.6605

2.4749, 1.1087,
5.4465

270.4759,

0.8826, 0.0000,

242.5923, 359.5603

2.4483

322.9020,
292.3447, 425.6900

■ 0.0000, 0.0000,
0.8126

■ 0.0000, 0.0000,
0.0000

■ 51.1958, 40.5587,
75.6513

■ 51.1958, 40.5587,
75.6513

■ 47.0083, 33.6800,
74.5449

■ 56.0881, 48.8121,
76.9871

■ 43.4822, 28.0920,
73.6521

■ 61.7176, 58.5073,
78.5618

■ 40.5752, 23.7095,
72.9594

■ 68.1194, 69.7137,
80.3874

■ 38.2385, 20.4349,
72.4505

■ 75.3251, 82.4941,
82.4745

36.4153, 18.1552,
72.1066

81.7470, 93.6729,
84.2938

35.0371, 16.7333,
71.9048

82.8916, 94.2630,
84.3473

34.3499, 16.1537,
71.8292

84.0594, 94.8650,
84.4020

85.2505, 95.4790,
84.4577

86.4650, 96.1051,
84.5146

Harmonies

Analogous

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



44.1929, 40.5587, 95.7260



51.1958, 40.5587, 75.6513



54.9180, 40.5587, 50.5724

Triad

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



51.1958, 40.5587, 75.6513



40.7277, 40.5587, 14.3186



26.4796, 40.5587, 61.4598

Complementary

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



51.1958, 40.5587, 75.6513



46.4996, 62.9240, 37.7137

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.



25.8074, 40.5587, 38.3167



51.1958, 40.5587, 75.6513



33.4088, 40.5587, 15.5282

Square

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



51.1958, 40.5587, 75.6513



48.3748, 40.5587, 18.7830



28.1793, 40.5587, 22.9061



30.1543, 40.5587, 85.8317

Rectangle

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



51.1958, 40.5587, 75.6513



54.7385, 40.5587, 36.2575



28.1793, 40.5587, 22.9061



25.9162, 40.5587, 53.1380

Sweetspot

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



51.1971, 40.5604, 75.6522



85.9820, 84.0401, 106.2974



38.3557, 37.0530, 75.6520



18.1495, 17.5442, 22.6797



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.



51.1971, 40.5604, 75.6522



64.4537, 47.4390, 100.3673



51.6018, 41.1369, 59.0520



14.0714, 13.8203, 17.3136



20.0748, 9.4442, 41.8132



1.4493, 0.6845, 2.9010

Inverse Universe

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



47.6769, 39.5669, 38.3839



59.1894, 46.0051, 42.2990



46.4450, 62.6383, 49.3487



13.7950, 13.7356, 14.6909



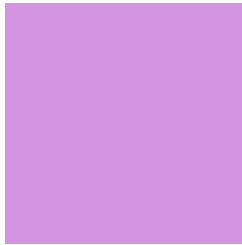
18.1002, 9.3071, 1.9274



1.2822, 0.6561, 0.2787

Previews

White Background



This preview shows how the XYZ color 51.1958, 40.5587, 75.6513 looks on a white background.

Color Contrast Check

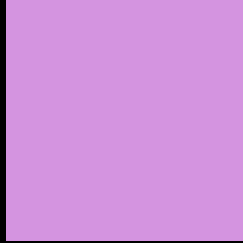
Large Text (above 18pt) WCAG AA × Fail

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 51.1958, 40.5587, 75.6513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

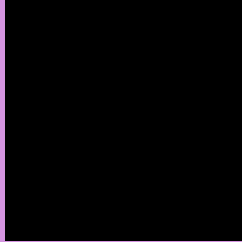
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1958, 40.5587, 75.6513

Background



This preview shows how black text looks on a background with the XYZ color 51.1958, 40.5587, 75.6513.



This preview shows how white text looks on a background with the XYZ color 51.1958, 40.5587,

75.6513.

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

51.1958, 40.5587, 75.6513

Protanopia

42.3106, 41.0568, 88.1328

Deuteranopia

41.8212, 40.8540, 73.3915



Tritanopia

44.6507, 40.5739, 44.0063

Trichromacy



Original Color

51.1958, 40.5587, 75.6513



Protanomaly

44.6094, 40.2009, 83.2503



Deuteranomaly

44.6184, 40.4135, 73.8556



Tritanomaly

46.7477, 40.4258, 54.0543

Monochromacy



Original Color

51.1958, 40.5587, 75.6513



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

44.2481, 41.9415, 56.2155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1958, 40.5587, 75.6513 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(212, 148, 224)` looks like.

```
.text, #text, p{  
    color:rgb(212, 148, 224)  
}
```

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(212, 148, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 148, 224) }
```

Border

The CSS property to change the border of an element to XYZ 51.1958, 40.5587, 75.6513 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(212, 148, 224) }
```


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

```
.border{ border-color:rgb(212, 148, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 148, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 148, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 148, 224);  
box-shadow:4px 4px 4px 4px rgb(212, 148,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1958, 40.5587, 75.6513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 148, 224) }
```

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

```
.background{ background-color: rgb(212,  
148, 224) }
```

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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