

Converting Colors

XYZ(84.9153, 60.4000,
238.5314)

Have a look what the booklet for
XYZ(84.9153, 60.4000, 238.5314)
contains.

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Color

**XYZ(58.6253, 49.7557,
101.1217)**

Conversions

Conversions Part 1

Format	Color
Hex	D0ABFF
RGB	208, 171, 255
RGB Percent	82%, 67%, 100%
CMY	0.1843, 0.3294, 0.0000
CMYK	0.18, 0.33, 0.00, 0.00
HSL	266°, 100%, 84%
HSV	266°, 33%, 100%
XYZ	58.6253, 49.7557, 101.1217
YIQ	191.6390, -4.9120, 33.9680

Conversions

Conversions Part 2

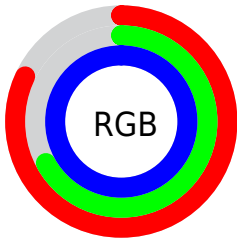
Format	Color
R _{YB}	208, 171, 255
Decimal	13675519
CIE Lab	75.92, 29.41, -36.65
CIE LCh	76, 46.993, 308.750
Yxy	49.7557, 0.2798, 0.2375
Android (android.graphics.Color)	4291865599 (0xFFD0ABFF)
YUV	191.6390, 31.2370, 14.3486
Hunter-Lab	70.5377, 24.9139, -35.6208

Details

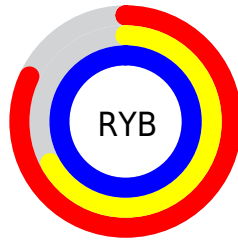
The XYZ color **58.6253, 49.7557, 101.1217** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **72.0250, 89.3661, 51.9834**, and the grayscale version is **49.7198, 52.3091, 56.9646**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **29.6204, 23.7095, 56.4413** is the 20% darker color. If you saturate the color by 10%, you get **50.4327, 39.0595, 99.4889**, and if you desaturate by 10%, it is **68.1109, 62.5000, 103.0816**.

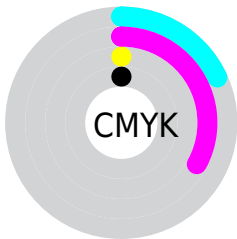
Distribution



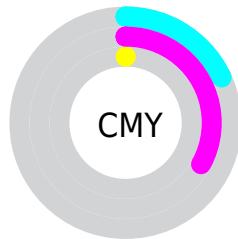
- Red (82%)
- Green (67%)
- Blue (100%)



- Red (82%)
- Yellow (67%)
- Blue (100%)



- Cyan (18%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6253, 49.7557, 101.1217 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 58.6253, 49.7557, 101.1217 by changing the saturation by 10% instead.


 58.6253, 49.7557,
101.1217

 58.6253, 49.7557,
101.1217


409.4283,
385.7098, 585.0604

 42.5568, 35.2193,
76.6156

 101.9506, 89.8128,
164.7631

 29.7305, 23.8319,
56.4277


129.9381,
116.1023, 204.7354

 19.7812, 15.2089,
40.1397


162.6293,
147.0783, 250.7002

 12.3434, 8.9662,
27.3328

200.3896,
183.1253, 303.0761

 7.0519, 4.7191,
17.5887

243.5843,
224.6275, 362.2815

 3.5412, 2.0834,
10.4887

292.5787,

 1.4460, 0.6553,

271.9694, 428.7349

5.6144

347.7383,
325.5354, 502.8551

■ 0.2886, 0.0000,
2.5471

■ 0.0000, 0.0000,
0.8649

■ 58.6253, 49.7557,
101.1217

■ 58.6253, 49.7557,
101.1217

■ 50.4327, 39.0595,
99.4889

■ 68.1109, 62.5000,
103.0816

■ 43.4655, 30.2934,
98.1641

■ 78.9434, 77.3899,
105.3847

■ 37.6562, 23.3361,
97.1274

■ 91.1789, 94.5235,
108.0470

■ 32.9281, 18.0495,
96.3561

95.0500, 100.0000,
108.9000

■ 29.1938, 14.2746,
95.8243

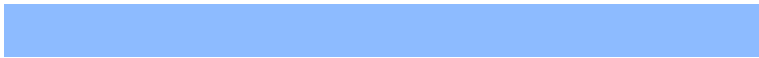
■ 26.3485, 11.8193,
95.5004

■ 24.7731, 10.6859,
95.3646

Harmonies

Analogous

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



49.8976, 49.7557, 117.1304



58.6253, 49.7557, 101.1217



64.7722, 49.7557, 73.5868

Triad

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



58.6253, 49.7557, 101.1217



53.6562, 49.7557, 20.5291



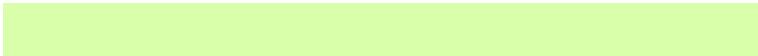
32.5332, 49.7557, 61.8424

Complementary

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



58.6253, 49.7557, 101.1217



72.0250, 89.3661, 51.9834

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.



33.2778, 49.7557, 38.5186



58.6253, 49.7557, 101.1217



44.7774, 49.7557, 19.1395

Square

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



58.6253, 49.7557, 101.1217



61.6661, 49.7557, 29.2629



37.5212, 49.7557, 24.6124



35.3443, 49.7557, 90.2853

Rectangle

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



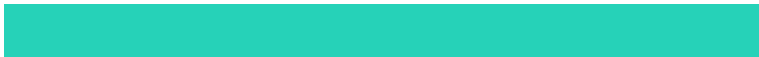
58.6253, 49.7557, 101.1217



66.1885, 49.7557, 55.2336



37.5212, 49.7557, 24.6124



32.3839, 49.7557, 53.1310

Sweetspot

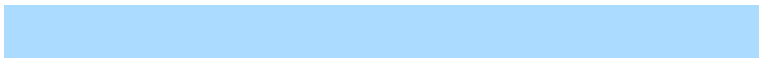
The Sweet Spot groups the original color and five complimentary colors.



58.6268, 49.7577, 101.1220



82.3921, 82.1894, 106.1294



60.0733, 66.3339, 104.2453



17.2791, 17.0955, 22.6390



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.



58.6268, 49.7577, 101.1220



52.7112, 41.9985, 99.9361



71.8235, 56.5608, 101.7396



17.7623, 17.7692, 22.7436



13.1093, 5.6686, 49.8378



1.3994, 0.6153, 4.8583

Inverse Universe

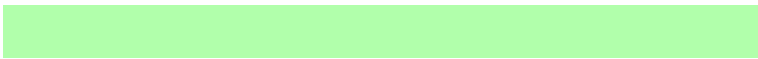
The Inverse Universe completely reimagines the original color for something new.



68.4588, 55.4495, 73.4255



64.2730, 48.6992, 67.0317



61.1525, 83.7611, 51.4746



18.4350, 18.1573, 20.9077



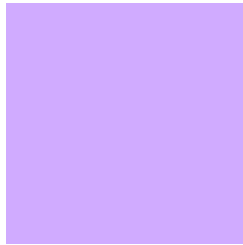
24.2031, 12.1705, 14.9858



2.4115, 1.2070, 1.7486

Previews

White Background



This preview shows how the XYZ color 58.6253, 49.7557, 101.1217 looks on a white background.

Color Contrast Check

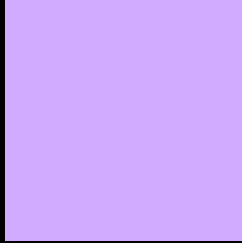
Large Text (above 18pt) WCAG AA × Fail

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 58.6253, 49.7557, 101.1217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

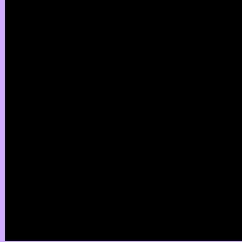
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.6253, 49.7557, 101.1217

Background



This preview shows how black text looks on a background with the XYZ color 58.6253, 49.7557, 101.1217.

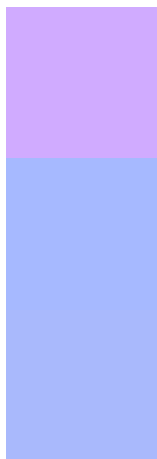


This preview shows how white text looks on a background with the XYZ color 58.6253, 49.7557,

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

58.6253, 49.7557, 101.1217

Protanopia

51.1248, 50.0249, 101.5689

Deuteranopia

51.2818, 50.1612, 99.0747



Tritanopia

50.3002, 49.9040, 59.8046

Trichromacy



Original Color

58.6253, 49.7557, 101.1217



Protanomaly

53.4273, 49.6863, 101.3822



Deuteranomaly

53.5793, 49.8016, 99.7172



Tritanomaly

53.1321, 49.8587, 73.1530

Monochromacy



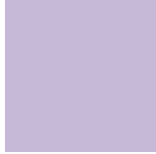
Original Color

58.6253, 49.7557, 101.1217



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

52.6949, 51.1930, 71.3939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6253, 49.7557, 101.1217 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(208, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 171, 255)  
}
```

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(208, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.6253, 49.7557, 101.1217 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(208, 171, 255) }
```


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

```
.border{ border-color:rgb(208, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6253, 49.7557, 101.1217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 171, 255) }
```

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

```
.background{ background-color: rgb(208,  
171, 255) }
```

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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