

Converting Colors

XYZ(73.6167, 48.2780,
207.7631)

Have a look what the booklet for
XYZ(73.6167, 48.2780, 207.7631)
contains.

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Color

**XYZ(53.2001, 40.1457,
99.5527)**

Conversions

Conversions Part 1

Format	Color
Hex	CD90FF
RGB	205, 144, 255
RGB Percent	80%, 56%, 100%
CMY	0.1961, 0.4353, 0.0000
CMYK	0.20, 0.44, 0.00, 0.00
HSL	273°, 100%, 78%
HSV	273°, 44%, 100%
XYZ	53.2001, 40.1457, 99.5527
YIQ	174.8930, 0.7250, 47.4530

Conversions

Conversions Part 2

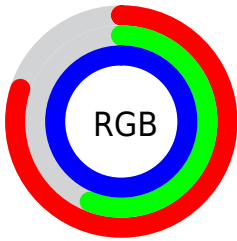
Format	Color
R _Y B	205, 144, 255
Decimal	13471999
CIE Lab	69.57, 43.21, -46.58
CIE LCh	70, 63.533, 312.854
Yxy	40.1457, 0.2758, 0.2081
Android (android.graphics.Color)	4291662079 (0xFFCD90FF)
YUV	174.8930, 39.4928, 26.4038
Hunter-Lab	63.3606, 38.9946, -48.8044

Details

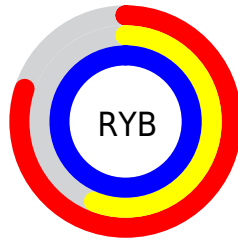
The XYZ color **53.2001, 40.1457, 99.5527** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.0429, 85.0033, 39.4718**, and the grayscale version is **40.4956, 42.6046, 46.3964**.

A 20% lighter version of the original color is **79.7134, 69.3268, 103.7878**, and **26.4146, 18.1211, 55.5316** is the 20% darker color. If you saturate the color by 10%, you get **46.7121, 31.7014, 98.2647**, and if you desaturate by 10%, it is **60.7955, 50.4574, 101.1427**.

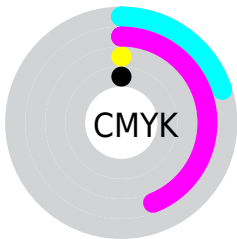
Distribution



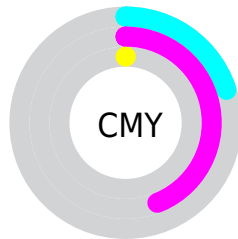
- Red (80%)
- Green (56%)
- Blue (100%)



- Red (80%)
- Yellow (56%)
- Blue (100%)



- Cyan (20%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2001, 40.1457, 99.5527 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 53.2001, 40.1457, 99.5527 by changing the saturation by 10% instead.


 53.2001, 40.1457,
99.5527


 53.2001, 40.1457,
99.5527


389.3007,
346.7373, 579.9921

 38.1907, 27.6522,
75.3122

 94.0625, 75.3853,
162.5889

 26.3086, 18.0636,
55.3654

 120.6462, 98.9002,
202.2216

 17.1885, 10.9957,
39.2938

151.8188,
126.8577, 247.8223

 10.4651, 6.0639,
26.6788

187.9454,
159.6421, 299.8093

 5.7730, 2.8840,
17.1018

229.3916,
197.6379, 358.6012

 2.7469, 1.0715,
10.1444

276.5226,

 1.0214, 0.0000,

241.2294, 424.6167

5.3879

329.7038,
290.8011, 498.2741

■ 0.0000, 0.0000,
2.4139

■ 0.0000, 0.0000,
0.7940

■ 53.2001, 40.1457,
99.5527

■ 53.2001, 40.1457,
99.5527

■ 46.7121, 31.7014,
98.2647

■ 60.7955, 50.4574,
101.1427

■ 41.2632, 24.9982,
97.2581

■ 69.5531, 62.7420,
103.0523

■ 36.7826, 19.9013,
96.5104

■ 79.5283, 77.1026,
105.2984

■ 33.1876, 16.2530,
95.9957

■ 90.7719, 93.6336,
107.8966

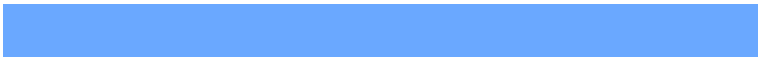
■ 30.3781, 13.8617, 95.0500, 100.0000,
95.6822 108.9000

■ 28.8883, 12.8073,
95.5572

Harmonies

Analogous

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



42.7139, 40.1457, 125.1140



53.2001, 40.1457, 99.5527



60.2697, 40.1457, 62.5626

Triad

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



53.2001, 40.1457, 99.5527



44.2704, 40.1457, 8.9101



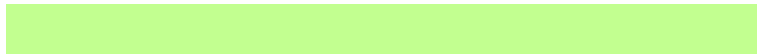
21.9814, 40.1457, 57.5160

Complementary

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



53.2001, 40.1457, 99.5527



63.0429, 85.0033, 39.4718

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.



22.2471, 40.1457, 29.0880



53.2001, 40.1457, 99.5527



33.9368, 40.1457, 8.5363

Square

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



53.2001, 40.1457, 99.5527



54.5141, 40.1457, 15.4556



26.2565, 40.1457, 14.0078



25.4510, 40.1457, 94.4648

Rectangle

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



53.2001, 40.1457, 99.5527



61.4325, 40.1457, 40.9603



26.2565, 40.1457, 14.0078



21.6578, 40.1457, 46.5840

Sweetspot

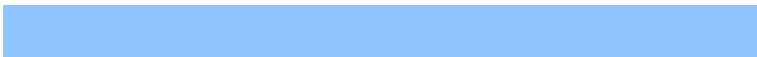
The Sweet Spot groups the original color and five complimentary colors.



53.2014, 40.1473, 99.5529



80.0897, 77.9200, 105.4266



49.2477, 52.5403, 102.1534



16.6451, 15.9550, 22.4523



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.



53.2014, 40.1473, 99.5529



47.6346, 32.8758, 98.4428



68.6738, 48.1917, 97.1975



17.9574, 17.8697, 22.7527



15.2693, 6.7821, 49.9389



1.6126, 0.7252, 4.8683

Inverse Universe

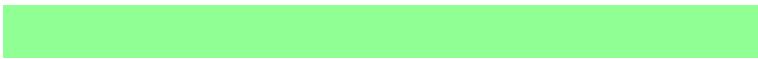
The Inverse Universe completely reimagines the original color for something new.



60.9517, 45.1029, 56.5330



56.7056, 38.6602, 48.7993



52.5842, 79.5784, 40.4830



18.3495, 18.1231, 20.4576



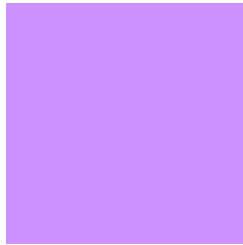
23.2344, 11.7831, 9.8850



2.3164, 1.1689, 1.2476

Previews

White Background



This preview shows how the XYZ color 53.2001, 40.1457, 99.5527 looks on a white background.

Color Contrast Check

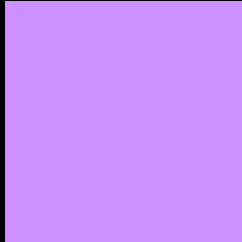
Large Text (above 18pt) WCAG AA × Fail

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 53.2001, 40.1457, 99.5527 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 53.2001, 40.1457, 99.5527

Background



This preview shows how black text looks on a background with the XYZ color 53.2001, 40.1457, 99.5527.



This preview shows how white text looks on a background with the XYZ color 53.2001, 40.1457,

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

53.2001, 40.1457, 99.5527

Protanopia

42.5162, 40.3464, 100.1545

Deuteranopia

41.5966, 40.5123, 96.0698



Tritanopia

42.3964, 40.1423, 46.0711

Trichromacy



Original Color

53.2001, 40.1457, 99.5527



Protanomaly

45.5524, 39.8028, 99.8896



Deuteranomaly

44.8394, 39.7470, 97.4041

Tritanomaly

45.6464, 39.6726, 62.3785

Monochromacy



Original Color

53.2001, 40.1457, 99.5527



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

44.4242, 41.3497, 62.7666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2001, 40.1457, 99.5527 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(205, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 144, 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(205, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 144, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.2001, 40.1457, 99.5527 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(205, 144, 255) }
```


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

```
.border{ border-color:rgb(205, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 144, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 144, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 144,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2001, 40.1457, 99.5527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 144, 255) }
```

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

```
.background{ background-color: rgb(205,  
144, 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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