

Converting Colors

XYZ(53.1552, 49.5195,
101.3644)

Have a look what the booklet for
XYZ(53.1552, 49.5195, 101.3644)
contains.

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Color

**XYZ(53.1936, 49.5658,
101.3713)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B4FF
RGB	180, 180, 255
RGB Percent	71%, 71%, 100%
CMY	0.2941, 0.2941, 0.0000
CMYK	0.29, 0.29, 0.00, 0.00
HSL	240°, 100%, 85%
HSV	240°, 29%, 100%
XYZ	53.1936, 49.5658, 101.3713
YIQ	188.5500, -24.0750, 23.3250

Conversions

Conversions Part 2

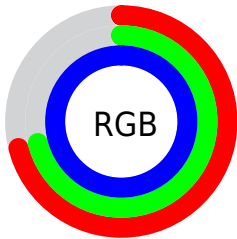
Format	Color
R _Y B	180, 180, 255
Decimal	11842815
CIE Lab	75.80, 16.35, -37.01
CIE LCh	76, 40.460, 293.828
Yxy	49.5658, 0.2606, 0.2428
Android (android.graphics.Color)	4290032895 (0xFFB4B4FF)
YUV	188.5500, 32.7599, -7.4983
Hunter-Lab	70.4030, 11.6620, -36.0879

Details

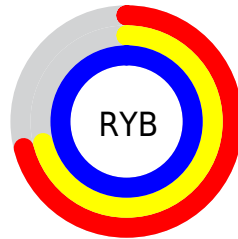
The XYZ color **53.1936, 49.5658, 101.3713** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.2384, 96.0751, 57.2335**, and the grayscale version is **47.9432, 50.4400, 54.9291**.

A 20% lighter version of the original color is **82.9705, 85.2154, 106.6829**, and **26.2399, 23.6159, 56.6014** is the 20% darker color. If you saturate the color by 10%, you get **43.1113, 37.4174, 99.5578**, and if you desaturate by 10%, it is **65.3178, 64.1747, 103.5521**.

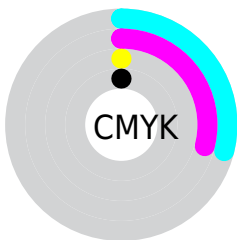
Distribution



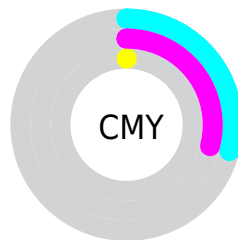
- Red (71%)
- Green (71%)
- Blue (100%)



- Red (71%)
- Yellow (71%)
- Blue (100%)



- Cyan (29%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1936, 49.5658, 101.3713 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 53.1936, 49.5658, 101.3713 by changing the saturation by 10% instead.

■ 53.1936, 49.5658,
101.3713

■ 53.1936, 49.5658,
101.3713

389.2762,
384.9655, 585.8645

■ 38.1854, 35.0685,
76.8230

■ 94.0530, 89.5312,
165.1087

■ 26.3045, 23.7157,
56.5969

120.6350,
115.7681, 205.1348

■ 17.1855, 15.1228,
40.2745

151.8057,
146.6871, 251.1574

■ 10.4629, 8.9056,
27.4372

187.9303,
182.6724, 303.5948

■ 5.7716, 4.6797,
17.6665

229.3743,
224.1085, 362.8657

■ 2.7460, 2.0606,
10.5439

276.5031,

■ 1.0209, 0.6423,

271.3798, 429.3886

5.6507

329.6819,
324.8707, 503.5820

■ 0.0000, 0.0000,
2.5686

■ 0.0000, 0.0000,
0.8762

■ 53.1936, 49.5658,
101.3713

■ 53.1936, 49.5658,
101.3713

■ 43.1113, 37.4174,
99.5578

■ 65.3178, 64.1747,
103.5521

■ 34.9545, 27.5889,
98.0906

■ 79.5829, 81.3631,
106.1179

■ 28.6020, 19.9345,
96.9480

95.0500, 100.0000,
108.9000

■ 23.9168, 14.2892,
96.1053

■ 20.7428, 10.4647,
95.5344

■ 18.8941, 8.2371,
95.2018

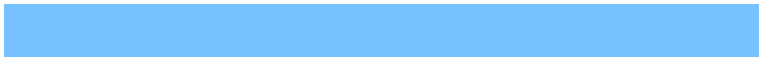
■ 18.0851, 7.2624,
95.0563

■ 18.0500, 7.2200,
95.0500

Harmonies

Analogous

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



45.5742, 49.5658, 106.4596



53.1936, 49.5658, 101.3713



59.7661, 49.5658, 82.2666

Triad

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



53.1936, 49.5658, 101.3713



56.1651, 49.5658, 26.9787



34.1543, 49.5658, 49.6404

Complementary

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



53.1936, 49.5658, 101.3713



85.2384, 96.0751, 57.2335

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.



36.3814, 49.5658, 33.0416



53.1936, 49.5658, 101.3713



48.6816, 49.5658, 22.3927

Square

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



53.1936, 49.5658, 101.3713



61.6053, 49.5658, 38.9156



41.5104, 49.5658, 24.2721



35.0893, 49.5658, 72.4754

Rectangle

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



53.1936, 49.5658, 101.3713



62.3979, 49.5658, 66.3359



41.5104, 49.5658, 24.2721



34.5497, 49.5658, 43.2429

Sweetspot

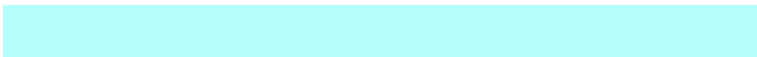
The Sweet Spot groups the original color and five complimentary colors.



53.1951, 49.5677, 101.3716



80.2157, 82.1256, 106.2318



72.4325, 88.3634, 106.7945



16.6930, 17.0042, 22.6523



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.



53.1951, 49.5677, 101.3716



47.3144, 42.4818, 100.3138



62.7652, 54.5011, 101.8194



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

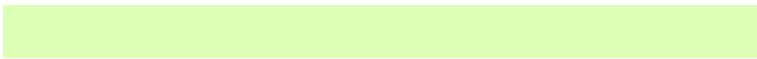
The Inverse Universe completely reimagines the original color for something new.



65.8005, 57.1992, 50.7545



61.6909, 51.1857, 42.5849



73.1373, 89.8370, 56.6672



18.0095, 17.9871, 18.6670



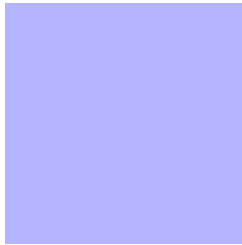
21.5488, 11.1088, 1.0085



2.0981, 1.0816, 0.0982

Previews

White Background



This preview shows how the XYZ color 53.1936, 49.5658, 101.3713 looks on a white background.

Color Contrast Check

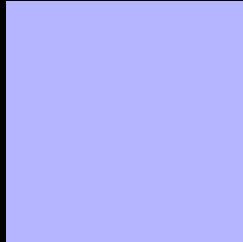
Large Text (above 18pt) WCAG AA × Fail

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 53.1936, 49.5658, 101.3713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

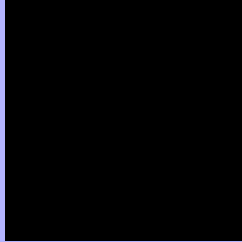
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.1936, 49.5658, 101.3713

Background



This preview shows how black text looks on a background with the XYZ color 53.1936, 49.5658, 101.3713.

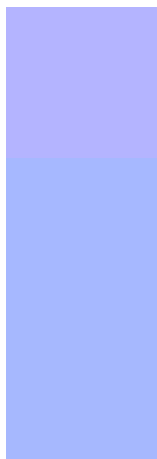


This preview shows how white text looks on a background with the XYZ color 53.1936, 49.5658,

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

53.1936, 49.5658, 101.3713

Protanopia

50.9164, 49.6080, 101.4995

Deuteranopia

50.7558, 49.5437, 100.6537



Tritanopia

46.0105, 49.7807, 64.9412

Trichromacy



Original Color

53.1936, 49.5658, 101.3713

Protanomaly

51.7781, 49.7449, 101.4805

Deuteranomaly

51.6175, 49.6807, 100.6347

Tritanomaly

48.3337, 49.4442, 76.8083

Monochromacy



Original Color

53.1936, 49.5658, 101.3713

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.8188, 50.3610, 70.0457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1936, 49.5658, 101.3713 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(180, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 180, 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(180, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.1936, 49.5658, 101.3713 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(180, 180, 255) }
```


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

```
.border{ border-color:rgb(180, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1936, 49.5658, 101.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 180, 255) }
```

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

```
.background{ background-color: rgb(180,  
180, 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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