

Converting Colors

XYZ(55.2715, 51.2407,
101.5851)

Have a look what the booklet for
XYZ(55.2715, 51.2407, 101.5851)
contains.

XYZ(55.2715, 51.2407, 101.5851)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.2715, 51.2407,
101.5851)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB6FF
RGB	187, 182, 255
RGB Percent	73%, 71%, 100%
CMY	0.2667, 0.2863, 0.0000
CMYK	0.27, 0.29, 0.00, 0.00
HSL	244°, 100%, 86%
HSV	244°, 29%, 100%
XYZ	55.2715, 51.2407, 101.5851
YIQ	191.8170, -20.4530, 23.7630

Conversions

Conversions Part 2

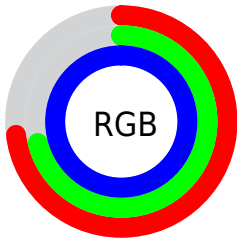
Format	Color
R _Y B	187, 182, 255
Decimal	12302079
CIE Lab	76.82, 17.23, -35.39
CIE LCh	77, 39.360, 295.969
Yxy	51.2407, 0.2656, 0.2462
Android (android.graphics.Color)	4290492159 (0xFFBBB6FF)
YUV	191.8170, 31.1492, -4.2245
Hunter-Lab	71.5826, 12.5567, -34.0324

Details

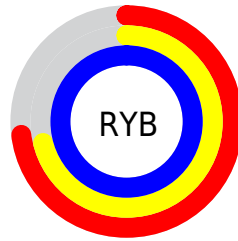
The XYZ color **55.2715, 51.2407, 101.5851** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.6284, 95.2216, 58.2299**, and the grayscale version is **49.8303, 52.4253, 57.0912**.

A 20% lighter version of the original color is **85.9328, 87.6022, 106.9875**, and **27.5590, 24.6833, 56.7379** is the 20% darker color. If you saturate the color by 10%, you get **45.1787, 38.9793, 99.7503**, and if you desaturate by 10%, it is **67.2794, 65.9031, 103.7823**.

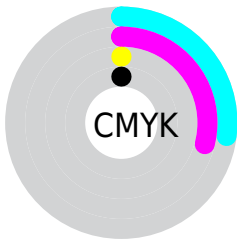
Distribution



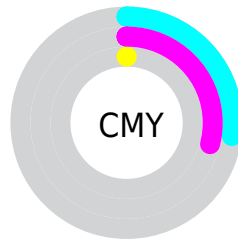
- Red (73%)
- Green (71%)
- Blue (100%)



- Red (73%)
- Yellow (71%)
- Blue (100%)



- Cyan (27%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2715, 51.2407, 101.5851 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 55.2715, 51.2407, 101.5851 by changing the saturation by 10% instead.

■ 55.2715, 51.2407,
101.5851

■ 55.2715, 51.2407,
101.5851

397.0600,
391.4982, 586.5528

■ 39.8538, 36.4002,
77.0007

■ 97.0846, 92.0105,
165.4046

■ 27.6083, 24.7434,
56.7419

124.2108,
118.7085, 205.4768

■ 18.1695, 15.8860,
40.3901

155.9706,
150.1279, 251.5488

■ 11.1722, 9.4435,
27.5267

192.7292,
186.6530, 304.0389

■ 6.2509, 5.0316,
17.7333

234.8521,
228.6682, 363.3659

■ 3.0404, 2.2658,
10.5912

282.7046,

■ 1.1751, 0.7555,

276.5578, 429.9481

5.6820

336.6521,
330.7064, 504.2043

■ 0.0866, 0.0000,
2.5870

■ 0.0000, 0.0000,
0.8858

■ 55.2715, 51.2407,
101.5851

■ 55.2715, 51.2407,
101.5851

■ 45.1787, 38.9793,
99.7503

■ 67.2794, 65.9031,
103.7823

■ 36.8973, 28.9854,
98.2578

■ 81.2895, 83.0789,
106.3592

■ 30.3214, 21.1215,
97.0865

95.0500, 100.0000,
108.9000

■ 25.3315, 15.2326,
96.2128

■ 21.7931, 11.1429,
95.6099

■ 19.5490, 8.6451,
95.2461

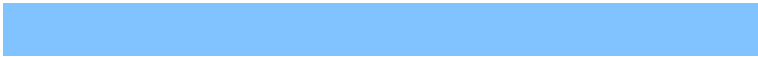
■ 18.3916, 7.4525,
95.0769

■ 18.2896, 7.3435,
95.0612

Harmonies

Analogous

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



47.6993, 51.2407, 107.7512



55.2715, 51.2407, 101.5851



61.6117, 51.2407, 82.1454

Triad

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



55.2715, 51.2407, 101.5851



57.1975, 51.2407, 28.1592



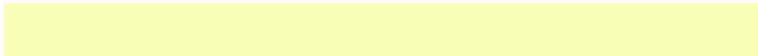
35.7261, 51.2407, 52.9485

Complementary

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



55.2715, 51.2407, 101.5851



83.6284, 95.2216, 58.2299

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.



37.7360, 51.2407, 35.7808



55.2715, 51.2407, 101.5851



49.7201, 51.2407, 23.9804

Square

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



55.2715, 51.2407, 101.5851



62.8011, 51.2407, 39.6390



42.6762, 51.2407, 26.3644



36.8900, 51.2407, 75.8280

Rectangle

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



55.2715, 51.2407, 101.5851



64.0202, 51.2407, 66.3793



42.6762, 51.2407, 26.3644



36.0469, 51.2407, 46.3956

Sweetspot

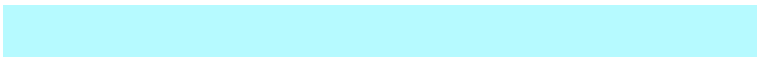
The Sweet Spot groups the original color and five complimentary colors.



55.2731, 51.2427, 101.5854



80.7284, 82.3899, 106.2557



71.5694, 85.6198, 107.3619



16.8179, 17.0686, 22.6581



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.



55.2731, 51.2427, 101.5854



49.6168, 44.3622, 100.5554



65.3238, 56.4240, 102.0557



17.1182, 17.4371, 22.7134



9.5990, 3.8589, 49.6735



0.9730, 0.3955, 4.8383

Inverse Universe

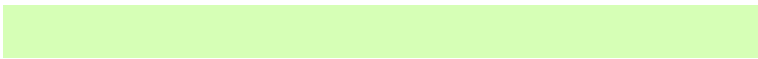
The Inverse Universe completely reimagines the original color for something new.



75.2241, 61.6196, 98.3718



72.4066, 56.2196, 96.7083



71.8292, 89.1389, 57.6777



18.7358, 18.2776, 22.4918



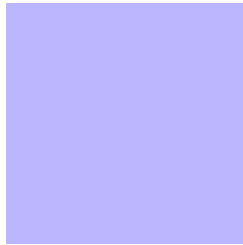
29.5999, 14.3292, 43.4048



2.8975, 1.4014, 4.3078

Previews

White Background



This preview shows how the XYZ color 55.2715, 51.2407, 101.5851 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 55.2715, 51.2407, 101.5851 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 55.2715, 51.2407, 101.5851

Background



This preview shows how black text looks on a background with the XYZ color 55.2715, 51.2407, 101.5851.



This preview shows how white text looks on a background with the XYZ color 55.2715, 51.2407,

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

55.2715, 51.2407, 101.5851

Protanopia

52.3979, 51.3067, 101.7493

Deuteranopia

52.6730, 51.4671, 100.9239



Tritanopia

47.9028, 51.0649, 65.7243

Trichromacy



Original Color

55.2715, 51.2407, 101.5851

Protanomaly

53.3035, 51.1480, 101.6709

Deuteranomaly

53.3698, 51.2008, 100.8358

Tritanomaly

50.4938, 51.1720, 77.7369

Monochromacy



Original Color

55.2715, 51.2407, 101.5851

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

51.4842, 51.8199, 71.5787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2715, 51.2407, 101.5851 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(187, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 182, 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(187, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 182, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.2715, 51.2407, 101.5851 is called "border". The border property can be set on classes, ids or directly on the HTML element.

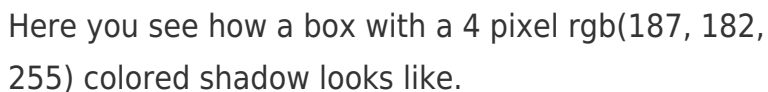
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 182, 255) }
```


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

```
.border{ border-color:rgb(187, 182, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 182,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2715, 51.2407, 101.5851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 182, 255) }
```

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

```
.background{ background-color: rgb(187,  
182, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor