

Converting Colors

XYZ(63.2141, 51.3733,
101.1920)

Have a look what the booklet for
XYZ(63.2141, 51.3733, 101.1920)
contains.

XYZ(63.1040, 51.2328, 101.1707)	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(63.1040, 51.2328,
101.1707)**

Conversions

Conversions Part 1

Format	Color
Hex	E1A8FF
RGB	225, 168, 255
RGB Percent	88%, 66%, 100%
CMY	0.1176, 0.3412, 0.0000
CMYK	0.12, 0.34, 0.00, 0.00
HSL	279°, 100%, 83%
HSV	279°, 34%, 100%
XYZ	63.1040, 51.2328, 101.1707
YIQ	194.9610, 6.0450, 39.1410

Conversions

Conversions Part 2

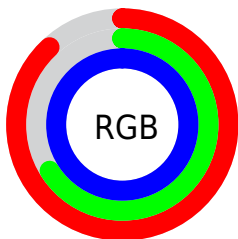
Format	Color
R _Y B	225, 168, 255
Decimal	14788863
CIE Lab	76.82, 36.11, -35.13
CIE LCh	77, 50.374, 315.786
Yxy	51.2328, 0.2928, 0.2377
Android (android.graphics.Color)	4292978943 (0xFFE1A8FF)
YUV	194.9610, 29.5992, 26.3442
Hunter-Lab	71.5771, 32.1098, -33.6995

Details

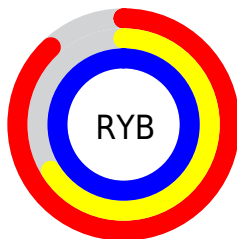
The XYZ color **63.1040, 51.2328, 101.1707** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.1176, 86.3534, 50.2311**, and the grayscale version is **51.6768, 54.3680, 59.2068**.

A 20% lighter version of the original color is **85.9457, 81.7913, 105.8652**, and **32.6860, 24.7737, 56.4851** is the 20% darker color. If you saturate the color by 10%, you get **56.1791, 41.3474, 99.6276**, and if you desaturate by 10%, it is **71.0962, 63.0412, 103.0287**.

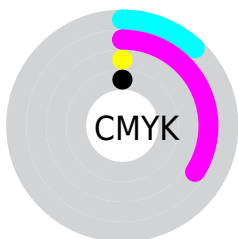
Distribution



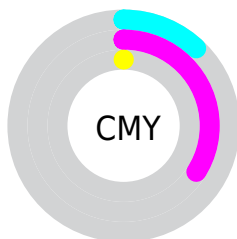
- Red (88%)
- Green (66%)
- Blue (100%)



- Red (88%)
- Yellow (66%)
- Blue (100%)



- Cyan (12%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1040, 51.2328, 101.1707 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 63.1040, 51.2328, 101.1707 by changing the saturation by 10% instead.

 63.1040, 51.2328,
101.1707

 63.1040, 51.2328,
101.1707


425.6005,
391.4676, 585.2183

 46.1843, 36.3939,
76.6563


 108.4005, 91.9988,
164.8309

 32.5965, 24.7386,
56.4609


 137.5080,
118.6947, 204.8139

 21.9753, 15.8824,
40.1661

171.4089,
150.1117, 250.7900

 13.9552, 9.4410,
27.3533

210.4684,
186.6343, 303.1779

 8.1710, 5.0299,
17.6040

255.0520,
228.6467, 362.3962

 4.2573, 2.2648,
10.4996

305.5250,

 1.8487, 0.7550,

276.5335, 428.8633

5.6215

362.2527,
330.6790, 502.9978

■ 0.5468, 0.0000,
2.5513

■ 0.0000, 0.0000,
0.8671

■ 63.1040, 51.2328,
101.1707

■ 63.1040, 51.2328,
101.1707

■ 56.1791, 41.3474,
99.6276

■ 71.0962, 63.0412,
103.0287

■ 50.2605, 33.2691,
98.3803

■ 80.2029, 76.8669,
105.2174

■ 45.2879, 26.8795,
97.4091

■ 90.4738, 92.8055,
107.7525

■ 41.1915, 22.0424,
96.6913

95.0500, 100.0000,
108.9000

■ 37.8909, 18.6002,
96.2009

■ 35.2880, 16.3602,
95.9057

■ 34.0014, 15.4433,
95.7965

Harmonies

Analogous

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



53.8724, 51.2328, 123.3784



63.1040, 51.2328, 101.1707



68.7903, 51.2328, 69.7437

Triad

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



63.1040, 51.2328, 101.1707



53.3526, 51.2328, 18.7160



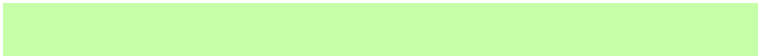
33.0535, 51.2328, 71.3767

Complementary

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



63.1040, 51.2328, 101.1707



66.1176, 86.3534, 50.2311

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.



32.9527, 51.2328, 43.8233



63.1040, 51.2328, 101.1707



43.8608, 51.2328, 18.8972

Square

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



63.1040, 51.2328, 101.1707



62.6808, 51.2328, 25.9054



36.6659, 51.2328, 26.5231



36.9621, 51.2328, 102.6983

Rectangle

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



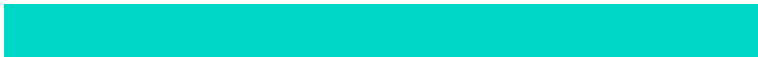
63.1040, 51.2328, 101.1707



69.3829, 51.2328, 50.6399



36.6659, 51.2328, 26.5231



32.5922, 51.2328, 61.2648

Sweetspot

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



63.1056, 51.2349, 101.1710



84.2866, 83.1660, 106.2180



54.4972, 56.1409, 102.5717



17.7375, 17.3319, 22.6605



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.



63.1056, 51.2349, 101.1710



58.2265, 44.2288, 100.0759



71.2631, 55.6748, 90.9559



18.1489, 17.9685, 22.7617



17.9334, 8.1555, 50.0636



1.8637, 0.8547, 4.8800

Inverse Universe

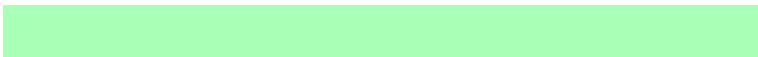
The Inverse Universe completely reimagines the original color for something new.



65.4368, 53.3443, 60.2750



61.1346, 46.7831, 52.5418



60.2554, 83.1837, 56.6253



18.2679, 18.0905, 20.0279



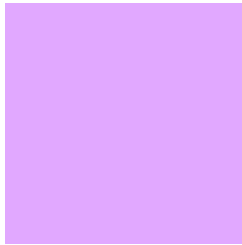
22.5306, 11.5015, 6.1785



2.2428, 1.1395, 0.8599

Previews

White Background



This preview shows how the XYZ color 63.1040, 51.2328, 101.1707 looks on a white background.

Color Contrast Check

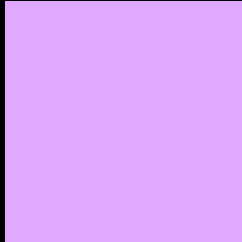
Large Text (above 18pt) WCAG AA × Fail

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 63.1040, 51.2328, 101.1707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

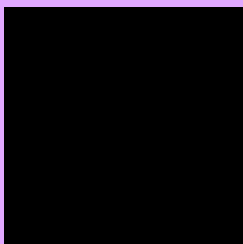
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.1040, 51.2328, 101.1707

Background



This preview shows how black text looks on a background with the XYZ color 63.1040, 51.2328, 101.1707.



This preview shows how white text looks on a background with the XYZ color 63.1040, 51.2328,

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

63.1040, 51.2328, 101.1707

Protanopia

52.6108, 51.7325, 101.8202

Deuteranopia

52.8621, 51.6196, 98.4442



Tritanopia

54.3778, 51.1365, 58.0432

Trichromacy



Original Color

63.1040, 51.2328, 101.1707



Protanomaly

55.8091, 51.2149, 101.5517



Deuteranomaly

55.8843, 51.0082, 98.9956

Tritanomaly

57.1334, 51.0686, 71.8117

Monochromacy



Original Color

63.1040, 51.2328, 101.1707



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

55.3269, 52.8295, 72.9267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1040, 51.2328, 101.1707 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(225, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 168, 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(225, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 168, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.1040, 51.2328, 101.1707 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(225, 168, 255) }
```


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

```
.border{ border-color:rgb(225, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 168,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1040, 51.2328, 101.1707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 168, 255) }
```

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

```
.background{ background-color: rgb(225,  
168, 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