

Converting Colors

XYZ(64.9337, 51.5663,
101.1387)

Have a look what the booklet for
XYZ(64.9337, 51.5663, 101.1387)
contains.

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Color

**XYZ(64.9649, 51.6482,
101.1528)**

Conversions

Conversions Part 1

Format	Color
Hex	E8A6FF
RGB	232, 166, 255
RGB Percent	91%, 65%, 100%
CMY	0.0902, 0.3490, 0.0000
CMYK	0.09, 0.35, 0.00, 0.00
HSL	284°, 100%, 83%
HSV	284°, 35%, 100%
XYZ	64.9649, 51.6482, 101.1528
YIQ	195.8800, 10.7670, 41.6710

Conversions

Conversions Part 2

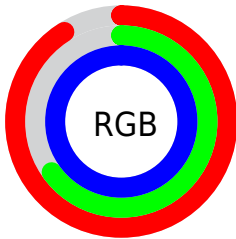
Format	Color
R_{YB}	232, 166, 255
Decimal	15247103
CIE _{Lab}	77.07, 39.27, -34.68
CIE _{LCh}	77, 52.396, 318.550
Yxy	51.6482, 0.2983, 0.2372
Android (android.graphics.Color)	4293437183 (0xFFE8A6FF)
YUV	195.8800, 29.1462, 31.6772
Hunter-Lab	71.8667, 35.5909, -33.1444

Details

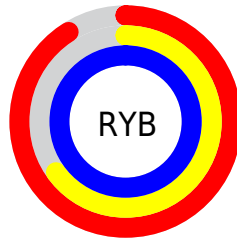
The XYZ color **64.9649, 51.6482, 101.1528** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.6303, 85.0925, 49.1495**, and the grayscale version is **52.2253, 54.9450, 59.8351**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **33.7774, 25.0014, 56.4716** is the 20% darker color. If you saturate the color by 10%, you get **58.6821, 42.1980, 99.6599**, and if you desaturate by 10%, it is **72.2500, 62.9819, 102.9565**.

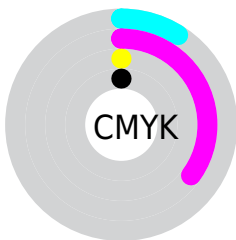
Distribution



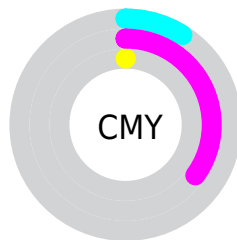
- Red (91%)
- Green (65%)
- Blue (100%)



- Red (91%)
- Yellow (65%)
- Blue (100%)



- Cyan (9%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.9649, 51.6482, 101.1528 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 64.9649, 51.6482, 101.1528 by changing the saturation by 10% instead.

 64.9649, 51.6482,
101.1528


 64.9649, 51.6482,
101.1528


432.2130,
393.0770, 585.1606

 47.6972, 36.7247,
76.6414

 111.0654, 92.6122,
164.8062

 33.7974, 24.9944,
56.4488


 140.6289,
119.4215, 204.7852

 22.9002, 16.0729,
40.1565


175.0217,
150.9616, 250.7572

 14.6401, 9.5758,
27.3458

214.6092,
187.6168, 303.1407

 8.6519, 5.1186,
17.5984

259.7567,
229.7716, 362.3543

 4.5701, 2.3170,
10.4956

310.8296,

 2.0294, 0.7827,

277.8102, 428.8164

5.6189

368.1933,
332.1172, 502.9457

■ 0.6504, 0.0000,
2.5497

■ 0.0000, 0.0000,
0.8663

■ 64.9649, 51.6482,
101.1528

■ 64.9649, 51.6482,
101.1528

■ 58.6821, 42.1980,
99.6599

■ 72.2500, 62.9819,
102.9565

■ 53.3414, 34.5152,
98.4584

■ 80.5836, 76.2933,
105.0866

■ 48.8832, 28.4808,
97.5287

■ 90.0146, 91.6779,
107.5591

■ 45.2384, 23.9582,
96.8478

95.0500, 100.0000,
108.9000

■ 42.3268, 20.7882,
96.3894

■ 40.0499, 18.7751,
96.1208

■ 39.0620, 18.0521,
96.0333

Harmonies

Analogous

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



55.4671, 51.6482, 126.2977



64.9649, 51.6482, 101.1528



70.4587, 51.6482, 67.8961

Triad

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



64.9649, 51.6482, 101.1528



53.0084, 51.6482, 17.6801



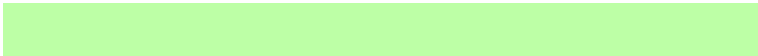
33.0191, 51.6482, 75.6448

Complementary

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



64.9649, 51.6482, 101.1528



63.6303, 85.0925, 49.1495

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.



32.5481, 51.6482, 45.9939



64.9649, 51.6482, 101.1528



43.2215, 51.6482, 18.5091

Square

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



64.9649, 51.6482, 101.1528



62.9557, 51.6482, 24.2270



36.0381, 51.6482, 27.0840



37.4262, 51.6482, 108.4563

Rectangle

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



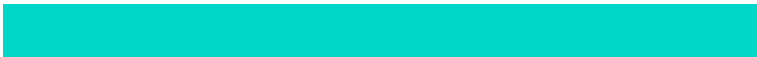
64.9649, 51.6482, 101.1528



70.6740, 51.6482, 48.4373



36.0381, 51.6482, 27.0840



32.4197, 51.6482, 64.8301

Sweetspot

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



64.9665, 51.6503, 101.1531



85.0649, 83.5673, 106.2544



52.1334, 52.0405, 101.9048



17.9264, 17.4293, 22.6693



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.



64.9665, 51.6503, 101.1531



60.4049, 44.7520, 100.0621



69.7621, 54.4882, 84.8590



18.3076, 18.0503, 22.7691



20.5573, 9.5082, 50.1864



2.1034, 0.9782, 4.8912

Inverse Universe

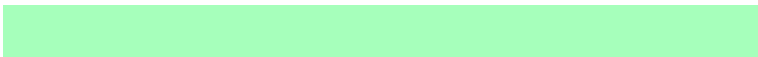
The Inverse Universe completely reimagines the original color for something new.



64.0627, 52.2084, 54.8464



59.6089, 45.5263, 46.5007



60.4320, 83.2055, 59.7601



18.2020, 18.0641, 19.6809



22.1121, 11.3341, 3.9750



2.1952, 1.1205, 0.6096

Previews

White Background



This preview shows how the XYZ color 64.9649, 51.6482, 101.1528 looks on a white background.

Color Contrast Check

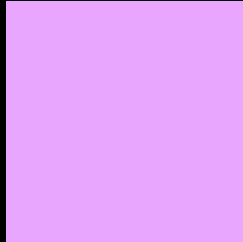
Large Text (above 18pt) WCAG AA × Fail

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 64.9649, 51.6482, 101.1528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

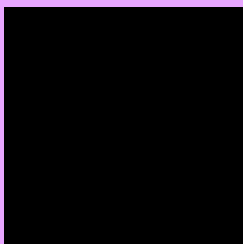
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.9649, 51.6482, 101.1528

Background



This preview shows how black text looks on a background with the XYZ color 64.9649, 51.6482, 101.1528.



This preview shows how white text looks on a background with the XYZ color 64.9649, 51.6482,

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

64.9649, 51.6482, 101.1528

Protanopia

52.8278, 51.8444, 101.8304

Deuteranopia

53.0874, 51.7358, 98.4548



Tritanopia

56.1772, 51.7784, 57.4855

Trichromacy



Original Color

64.9649, 51.6482, 101.1528



Protanomaly

56.3636, 51.2000, 101.5196



Deuteranomaly

56.4557, 51.0042, 98.9647

Tritanomaly

58.8948, 51.3987, 71.7826

Monochromacy



Original Color

64.9649, 51.6482, 101.1528



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

56.1678, 53.2630, 72.9661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9649, 51.6482, 101.1528 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(232, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 166, 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(232, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 166, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.9649, 51.6482, 101.1528 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(232, 166, 255) }
```


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

```
.border{ border-color:rgb(232, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 166,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9649, 51.6482, 101.1528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 166, 255) }
```

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

```
.background{ background-color: rgb(232,  
166, 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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