

Converting Colors

XYZ(68.6505, 53.1761, 81.6793)

Have a look what the booklet for
XYZ(68.6505, 53.1761, 81.6793)
contains.

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Color

**XYZ(68.6201, 53.1676,
81.5086)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA3E6
RGB	255, 163, 230
RGB Percent	100%, 64%, 90%
CMY	0.0000, 0.3608, 0.0980
CMYK	0.00, 0.36, 0.10, 0.00
HSL	316°, 100%, 82%
HSV	316°, 36%, 100%
XYZ	68.6201, 53.1676, 81.5086
YIQ	198.1460, 33.3250, 40.3410

Conversions

Conversions Part 2

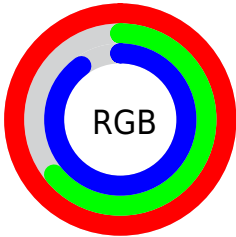
Format	Color
R _Y B	255, 163, 230
Decimal	16753638
CIE Lab	77.97, 43.49, -19.57
CIE LCh	78, 47.689, 335.767
Yxy	53.1676, 0.3375, 0.2615
Android (android.graphics.Color)	4294943718 (0xFFFFA3E6)
YUV	198.1460, 15.7040, 49.8610
Hunter-Lab	72.9161, 40.3801, -15.2355

Details

The XYZ color **68.6201, 53.1676, 81.5086** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.9432, 82.9383, 60.4293**, and the grayscale version is **53.6599, 56.4544, 61.4789**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **36.1346, 25.8636, 43.1321** is the 20% darker color. If you saturate the color by 10%, you get **63.5867, 44.6272, 75.1250**, and if you desaturate by 10%, it is **74.6075, 63.5535, 88.4024**.

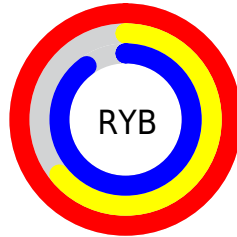
Distribution



Red (100%)

Green (64%)

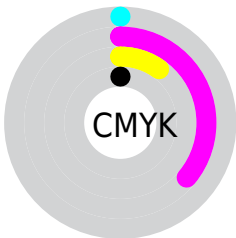
Blue (90%)



Red (100%)

Yellow (64%)

Blue (90%)

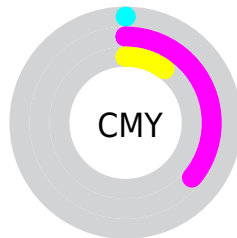


Cyan (0%)

Magenta (36%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6201, 53.1676, 81.5086 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 68.6201, 53.1676, 81.5086 by changing the saturation by 10% instead.


 68.6201, 53.1676,
81.5086


 68.6201, 53.1676,
81.5086


445.0323,
398.9278, 519.8427

 50.6779, 37.9366,
60.4271

 116.2758, 94.8509,
137.3152

 36.1723, 25.9335,
43.3354


 146.7201,
122.0721, 172.8773

 24.7380, 16.7739,
29.8151


182.0624,
154.0587, 214.1035

 16.0097, 10.0734,
19.4474

222.6681,
191.1951, 261.4121

 9.6219, 5.4477,
11.8139

268.9026,
233.8659, 315.2218

 5.2093, 2.5122,
6.4961

321.1312,

 2.4066, 0.8828,

282.4553, 375.9512

3.0754

379.7194,
337.3478, 444.0186

■ 0.8484, 0.0000,
1.1333

■ 0.0000, 0.0000,
0.0000

■ 68.6201, 53.1676,
81.5086

■ 68.6201, 53.1676,
81.5086

■ 63.5867, 44.6272,
75.1250

■ 74.6075, 63.5535,
88.4024

■ 59.4479, 37.8149,
69.2277

■ 81.5960, 75.8795,
95.8222

■ 56.1433, 32.6107,
63.7949

■ 89.6344, 90.2416,
103.7871

■ 53.6033, 28.8758,
58.8012

95.0500, 100.0000,
108.9000

■ 51.7464, 26.4482,
54.2171

■ 50.4715, 25.1264,
50.0065

■ 50.0715, 24.7926,
48.4362

Harmonies

Analogous

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



61.7009, 53.1676, 110.0617



68.6201, 53.1676, 81.5086



70.4541, 53.1676, 52.9046

Triad

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



68.6201, 53.1676, 81.5086



48.7619, 53.1676, 20.4715



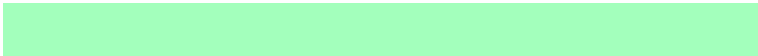
37.3911, 53.1676, 93.2028

Complementary

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



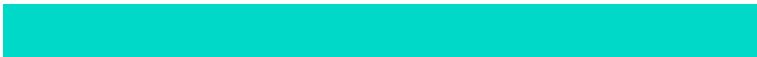
68.6201, 53.1676, 81.5086



59.9432, 82.9383, 60.4293

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.



34.7747, 53.1676, 63.1801



68.6201, 53.1676, 81.5086



40.8033, 53.1676, 25.5307

Square

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



68.6201, 53.1676, 81.5086



58.2200, 53.1676, 22.6689



35.9431, 53.1676, 39.3419



43.5565, 53.1676, 118.1339

Rectangle

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



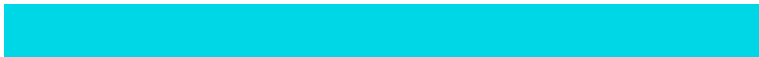
68.6201, 53.1676, 81.5086



68.3728, 53.1676, 38.3912



35.9431, 53.1676, 39.3419



36.1042, 53.1676, 83.0762

Sweetspot

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



68.6214, 53.1698, 81.5097



85.5422, 82.9096, 99.7960



51.7737, 44.0494, 100.3814



18.0782, 17.3330, 21.1303



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.



68.6214, 53.1698, 81.5097



65.0373, 47.0653, 77.0360



63.0396, 50.9371, 52.1163



18.5696, 18.2112, 21.6168



26.2294, 12.9810, 25.6560



2.5997, 1.2823, 2.7395

Inverse Universe

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



68.6214, 53.1698, 81.5097



65.0373, 47.0653, 77.0360



65.6501, 85.2210, 90.4811



18.5696, 18.2112, 21.6168



26.2294, 12.9810, 25.6560



2.5997, 1.2823, 2.7395

Previews

White Background



This preview shows how the XYZ color 68.6201, 53.1676, 81.5086 looks on a white background.

Color Contrast Check

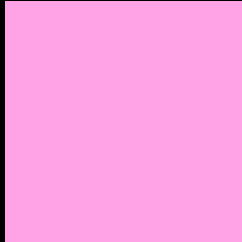
Large Text (above 18pt) WCAG AA × Fail

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 68.6201, 53.1676, 81.5086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

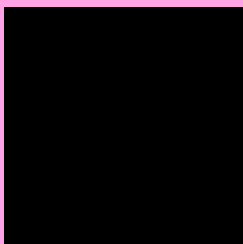
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6201, 53.1676, 81.5086

Background



This preview shows how black text looks on a background with the XYZ color 68.6201, 53.1676, 81.5086.



This preview shows how white text looks on a background with the XYZ color 68.6201, 53.1676,

81.5086.

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

68.6201, 53.1676, 81.5086

Protanopia

54.2462, 53.6287, 97.9348

Deuteranopia

54.5532, 53.5672, 78.6984



Tritanopia

62.9338, 53.3318, 52.8760

Trichromacy



Original Color

68.6201, 53.1676, 81.5086



Protanomaly

58.1551, 52.6406, 91.8896



Deuteranomaly

58.8017, 52.9403, 79.7924



Tritanomaly

64.8755, 53.2884, 62.1247

Monochromacy



Original Color

68.6201, 53.1676, 81.5086



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

58.1952, 54.4111, 68.4079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6201, 53.1676, 81.5086 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(255, 163, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 230)  
}
```

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(255, 163, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 230) }
```

Border

The CSS property to change the border of an element to XYZ 68.6201, 53.1676, 81.5086 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(255, 163, 230) }
```


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

```
.border{ border-color:rgb(255, 163, 230) }
```

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

Here you see how a box with a 4 pixel rgb(255, 163, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6201, 53.1676, 81.5086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 230) }
```

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

```
.background{ background-color: rgb(255,  
163, 230) }
```

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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