

# Converting Colors

XYZ(36.1494, 21.4191, 55.6505)

Have a look what the booklet for  
XYZ(36.1494, 21.4191, 55.6505)  
contains.

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# Color

**XYZ(36.1356, 21.3907,  
55.6503)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C64DC6
RGB	198, 77, 198
RGB Percent	78%, 30%, 78%
CMY	0.2235, 0.6980, 0.2235
CMYK	0.00, 0.61, 0.00, 0.22
HSL	300°, 51%, 54%
HSV	300°, 61%, 78%
XYZ	36.1356, 21.3907, 55.6503
YIQ	126.9730, 33.2750, 63.2830

# Conversions

## Conversions Part 2

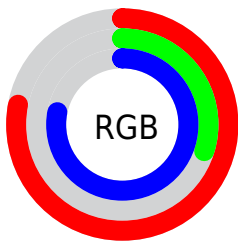
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 77, 198
Decimal	12996038
CIELab	53.37, 63.19, -40.30
CIELCh	53, 74.944, 327.475
Yxy	21.3907, 0.3193, 0.1890
Android (android.graphics.Color)	4291186118 (0xFFC64DC6)
YUV	126.9730, 35.0163, 62.2907
Hunter-Lab	46.2501, 58.5260, -38.9655

# Details

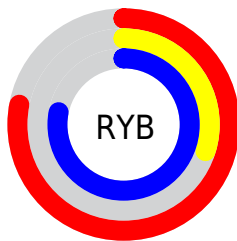
The XYZ color **36.1356, 21.3907, 55.6503** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **24.5951, 42.5027, 13.9299**, and the grayscale version is **20.0401, 21.0838, 22.9602**.

A 20% lighter version of the original color is **67.6775, 45.2551, 99.7758**, and **16.0511, 7.7415, 27.0338** is the 20% darker color. If you saturate the color by 10%, you get **34.9554, 19.0298, 55.2570**, and if you desaturate by 10%, it is **37.7389, 24.5967, 56.1850**.

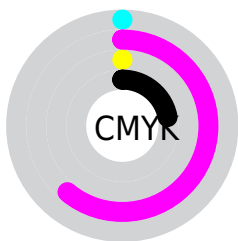
# Distribution



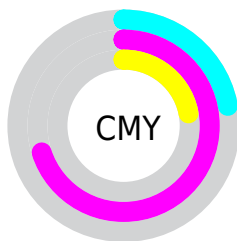
- Red (78%)
- Green (30%)
- Blue (78%)



- Red (78%)
- Yellow (30%)
- Blue (78%)



- Cyan (0%)
- Magenta (61%)
- Yellow (0%)
- Black (22%)




- Cyan (22%)
- Magenta (70%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1356, 21.3907, 55.6503 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 36.1356, 21.3907, 55.6503 by changing the saturation by 10% instead.





 36.1356, 21.3907,  
55.6503


 36.1356, 21.3907,  
55.6503


320.9737,  
259.3476, 425.7235


 24.7095, 13.4099,  
39.5205


 68.5638, 45.7369,  
99.9738

 15.9884, 7.7114,  
26.8539

 90.2967, 62.8710,  
129.0045


 9.6067, 3.9108,  
17.2321


 116.1958, 83.8251,  
163.1727

 5.1992, 1.6238,  
10.2364

 146.6267,  
108.9834, 202.8968

 2.4006, 0.3736,  
5.4483

 181.9545,  
138.7304, 248.5954

 0.8454, 0.0000,  
2.4493

222.5447,

 0.0000, 0.0000,

173.4506, 300.6870

0.8131

268.7627,  
213.5281, 359.5902

■ 0.0000, 0.0000,  
0.0000

■ 36.1356, 21.3907,  
55.6503

■ 36.1356, 21.3907,  
55.6503

■ 34.9554, 19.0298,  
55.2570

■ 37.7389, 24.5967,  
56.1850

■ 34.1563, 17.4316,  
54.9906

■ 39.7976, 28.7140,  
56.8713

■ 33.6920, 16.5031,  
54.8357

■ 42.3436, 33.8060,  
57.7201

■ 33.4821, 16.0832,  
54.7656

■ 45.4052, 39.9293,  
58.7407

■ 49.0087, 47.1362,  
59.9419

■ 53.1784, 55.4756,  
61.3319

■ 57.9373, 64.9934,  
62.9183

■ 63.3071, 75.7328,  
64.7083

■ 69.2423, 87.6032,  
66.6868

# Harmonies

## Analogous

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



28.2307, 21.3907, 87.7256



36.1356, 21.3907, 55.6503



39.7458, 21.3907, 25.2735

# Triad

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



36.1356, 21.3907, 55.6503



21.0122, 21.3907, 1.2189



9.5610, 21.3907, 49.8900

# Complementary

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



36.1356, 21.3907, 55.6503



24.5951, 42.5027, 13.9299

# 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.



8.5641, 21.3907, 21.4146



36.1356, 21.3907, 55.6503



14.0627, 21.3907, 2.0400

# Square

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



36.1356, 21.3907, 55.6503



29.7077, 21.3907, 2.4446



9.9741, 21.3907, 6.7913



13.1699, 21.3907, 83.1383



# Rectangle

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



36.1356, 21.3907, 55.6503



38.6758, 21.3907, 12.4628



9.9741, 21.3907, 6.7913



8.9581, 21.3907, 39.0657

# Sweetspot

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



36.1364, 21.3917, 55.6507



82.1150, 74.1300, 104.5880



15.9084, 10.9638, 54.7046



17.1951, 15.1051, 22.2592



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.



36.1364, 21.3917, 55.6507



61.4087, 32.7177, 97.6851



30.4949, 19.1351, 25.9428



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6150



1.0310, 0.4952, 1.6864



# Inverse Universe

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



36.1364, 21.3917, 55.6507



61.4087, 32.7177, 97.6851



27.8069, 43.7874, 30.8429



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6150



1.0310, 0.4952, 1.6864



# Previews

## White Background



This preview shows how the XYZ color 36.1356, 21.3907, 55.6503 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

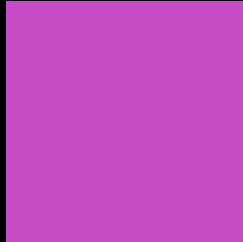
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.1356, 21.3907, 55.6503 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 × Fail

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

**XYZ 36.1356, 21.3907, 55.6503**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.1356, 21.3907, 55.6503.



This preview shows how white text looks on a background with the XYZ color 36.1356, 21.3907,



# 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

36.1356, 21.3907, 55.6503

### Protanopia

25.2648, 21.8900, 86.1127

### Deuteranopia

22.2505, 21.6632, 51.7239



## Tritanopia

28.3049, 21.3199, 17.3752

# Trichromacy



## Original Color

36.1356, 21.3907, 55.6503



## Protanomaly

25.6584, 19.4623, 73.6384



## Deuteranomaly

25.2476, 20.0218, 52.9860



## Tritanomaly

30.5351, 20.9882, 28.0329

# Monochromacy



## Original Color

36.1356, 21.3907, 55.6503



## Achromatopsia

20.1725, 21.2231, 23.1119



## Achromatomaly

24.3553, 20.0095, 32.7155

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.1356, 21.3907, 55.6503 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(198, 77, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 77, 198)  
}
```

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(198, 77, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 77, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 36.1356, 21.3907, 55.6503 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(198, 77, 198) }
```



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

```
.border{ border-color:rgb(198, 77, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 77, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 77, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 77, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 77,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.1356, 21.3907, 55.6503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 77, 198) }
```

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

```
.background{ background-color: rgb(198, 77,  
198) }
```

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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