

Converting Colors

XYZ(36.2257, 21.1472, 55.9379)

Have a look what the booklet for
XYZ(36.2257, 21.1472, 55.9379)
contains.

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Color

**XYZ(36.3108, 21.1632,
56.2039)**

Conversions

Conversions Part 1

Format	Color
Hex	C74AC7
RGB	199, 74, 199
RGB Percent	78%, 29%, 78%
CMY	0.2196, 0.7098, 0.2196
CMYK	0.00, 0.63, 0.00, 0.22
HSL	300°, 53%, 54%
HSV	300°, 63%, 78%
XYZ	36.3108, 21.1632, 56.2039
YIQ	125.6250, 34.3750, 65.3750

Conversions

Conversions Part 2

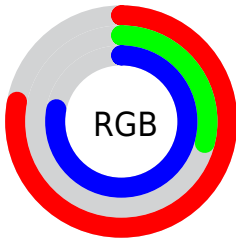
Format	Color
R_{YB}	199, 74, 199
Decimal	13060807
CIE _{Lab}	53.13, 64.84, -41.25
CIE _{LCh}	53, 76.847, 327.536
Yxy	21.1632, 0.3194, 0.1862
Android (android.graphics.Color)	4291250887 (0xFFC74AC7)
YUV	125.6250, 36.1739, 64.3499
Hunter-Lab	46.0035, 60.3850, -40.2340

Details

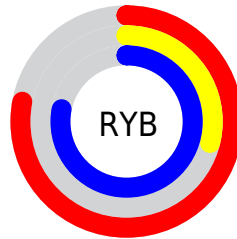
The XYZ color **36.3108, 21.1632, 56.2039** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **24.4845, 42.7981, 13.4501**, and the grayscale version is **19.5782, 20.5978, 22.4310**.

A 20% lighter version of the original color is **67.4063, 44.7126, 99.6854**, and **16.1894, 7.7644, 27.0310** is the 20% darker color. If you saturate the color by 10%, you get **35.1865, 18.9140, 55.8292**, and if you desaturate by 10%, it is **37.8568, 24.2545, 56.7195**.

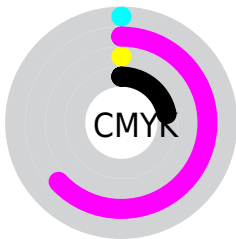
Distribution



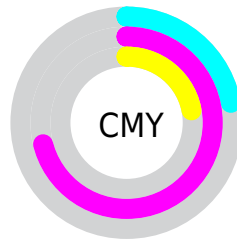
- Red (78%)
- Green (29%)
- Blue (78%)



- Red (78%)
- Yellow (29%)
- Blue (78%)



- Cyan (0%)
- Magenta (63%)
- Yellow (0%)
- Black (22%)





- Cyan (22%)
- Magenta (71%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3108, 21.1632, 56.2039 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 36.3108, 21.1632, 56.2039 by changing the saturation by 10% instead.


 36.3108, 21.1632,
56.2039


 36.3108, 21.1632,
56.2039


321.7246,
258.1445, 427.8693

 24.8455, 13.2433,
39.9613


 68.8322, 45.3590,
100.7914

 16.0901, 7.5963,
27.1948


 90.6192, 62.4037,
129.9734


 9.6792, 3.8378,
17.4859


 116.5773, 83.2588,
164.3057

 5.2474, 1.5832,
10.4159

 147.0721,
108.3088, 204.2067

 2.4294, 0.3462,
5.5664

 182.4689,
137.9379, 250.0950

 0.8598, 0.0000,
2.5188

223.1330,

 0.0000, 0.0000,

172.5307, 302.3892

0.8501

269.4297,
212.4714, 361.5078

■ 0.0000, 0.0000,
0.0000

■ 36.3108, 21.1632,
56.2039

■ 36.3108, 21.1632,
56.2039

■ 35.1865, 18.9140,
55.8292

■ 37.8568, 24.2545,
56.7195

■ 34.4403, 17.4217,
55.5804

■ 39.8579, 28.2568,
57.3866

■ 34.0235, 16.5882,
55.4414

■ 42.3470, 33.2349,
58.2164

■ 33.8624, 16.2658,
55.3876

■ 45.3532, 39.2473,
59.2186

■ 48.9034, 46.3476,
60.4021

■ 53.0225, 54.5858,
61.7752

■ 57.7340, 64.0088,
63.3458

■ 63.0601, 74.6609,
65.1213

■ 69.0217, 86.5840,
67.1086

Harmonies

Analogous

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



28.2019, 21.1632, 89.4692



36.3108, 21.1632, 56.2039



40.0145, 21.1632, 25.0132

Triad

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



36.3108, 21.1632, 56.2039



20.7916, 21.1632, 1.0382



9.2301, 21.1632, 50.4013

Complementary

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



36.3108, 21.1632, 56.2039



24.4845, 42.7981, 13.4501

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.



8.2284, 21.1632, 21.1793



36.3108, 21.1632, 56.2039



13.7438, 21.1632, 1.8101

Square

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



36.3108, 21.1632, 56.2039



29.6788, 21.1632, 2.1848



9.6339, 21.1632, 6.4430



12.8641, 21.1632, 84.8179

Rectangle

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



36.3108, 21.1632, 56.2039



38.9037, 21.1632, 12.0535



9.6339, 21.1632, 6.4430



8.6252, 21.1632, 39.2506

Sweetspot

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



36.3116, 21.1642, 56.2043



81.4939, 72.8879, 104.3810



15.5826, 10.4780, 55.2349



17.0746, 14.8640, 22.2190



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.



36.3116, 21.1642, 56.2043



61.1091, 32.1186, 97.5850



30.4826, 18.8325, 25.5091



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6149



1.0310, 0.4952, 1.6864

Inverse Universe

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



36.3116, 21.1642, 56.2043



61.1091, 32.1186, 97.5850



27.7281, 44.0955, 30.5305



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6149



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 36.3108, 21.1632, 56.2039 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 36.3108, 21.1632, 56.2039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

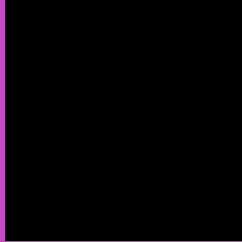
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3108, 21.1632, 56.2039

Background



This preview shows how black text looks on a background with the XYZ color 36.3108, 21.1632, 56.2039.



This preview shows how white text looks on a background with the XYZ color 36.3108, 21.1632,

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

36.3108, 21.1632, 56.2039

Protanopia

25.3093, 21.6580, 89.2327

Deuteranopia

22.0292, 21.5491, 51.7135



Tritanopia

28.0995, 21.0814, 16.7755

Trichromacy



Original Color

36.3108, 21.1632, 56.2039

Protanomaly

25.3618, 18.9558, 75.7209

Deuteranomaly

24.9799, 19.7263, 52.9430

Tritanomaly

30.2870, 20.6117, 27.5815

Monochromacy



Original Color

36.3108, 21.1632, 56.2039

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

24.1443, 19.5876, 32.6452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3108, 21.1632, 56.2039 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(199, 74, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 74, 199)  
}
```

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(199, 74, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 74, 199) }
```

Border

The CSS property to change the border of an element to XYZ 36.3108, 21.1632, 56.2039 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(199, 74, 199) }
```


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

```
.border{ border-color:rgb(199, 74, 199) }
```

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

Here you see how a box with a 4 pixel rgb(199, 74, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 74, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 74, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 74,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3108, 21.1632, 56.2039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 74, 199) }
```

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

```
.background{ background-color: rgb(199, 74,  
199) }
```

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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