

Converting Colors

XYZ(50.9334, 36.3162, 60.6434)

Have a look what the booklet for
XYZ(50.9334, 36.3162, 60.6434)
contains.

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Color

**XYZ(51.0020, 36.3135,
60.8210)**

Conversions

Conversions Part 1

Format	Color
Hex	E67FCB
RGB	230, 127, 203
RGB Percent	90%, 50%, 80%
CMY	0.0980, 0.5019, 0.2039
CMYK	0.00, 0.45, 0.12, 0.10
HSL	316°, 67%, 70%
HSV	316°, 45%, 90%
XYZ	51.0020, 36.3135, 60.8210
YIQ	166.4610, 36.9920, 45.4720

Conversions

Conversions Part 2

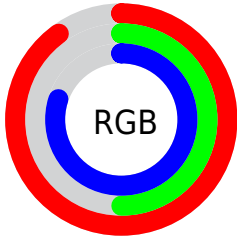
Format	Color
R _Y B	230, 127, 203
Decimal	15105995
CIE Lab	66.76, 49.59, -22.03
CIE LCh	67, 54.258, 336.050
Yxy	36.3135, 0.3443, 0.2451
Android (android.graphics.Color)	4293296075 (0xFFE67FCB)
YUV	166.4610, 18.0137, 55.7237
Hunter-Lab	60.2607, 45.6184, -17.6588

Details

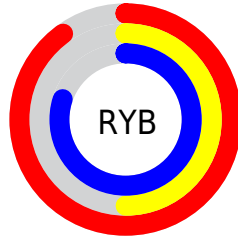
The XYZ color **51.0020, 36.3135, 60.8210** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **42.8836, 63.4400, 40.5594**, and the grayscale version is **36.3726, 38.2668, 41.6725**.

A 20% lighter version of the original color is **76.0179, 61.9359, 102.5560**, and **24.8869, 15.8381, 30.1792** is the 20% darker color. If you saturate the color by 10%, you get **47.6591, 30.7548, 56.2304**, and if you desaturate by 10%, it is **55.0531, 43.2426, 65.7863**.

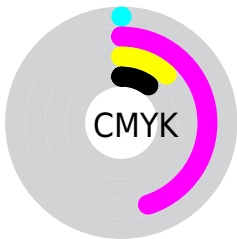
Distribution



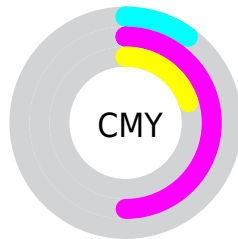
- Red (90%)
- Green (50%)
- Blue (80%)



- Red (90%)
- Yellow (50%)
- Blue (80%)



- Cyan (0%)
- Magenta (45%)
- Yellow (12%)
- Black (10%)





- Cyan (10%)
- Magenta (50%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0020, 36.3135, 60.8210 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 51.0020, 36.3135, 60.8210 by changing the saturation by 10% instead.


 51.0020, 36.3135,
60.8210

 51.0020, 36.3135,
60.8210


380.9591,
330.3287, 445.5058


 36.4312, 24.6764,
43.6511


 90.8407, 69.5157,
107.5747

 24.9391, 15.8361,
30.0611


 116.8394, 91.8495,
137.9956

 16.1602, 9.4083,
19.6326


 147.3780,
118.5178, 173.6706

 9.7291, 5.0084,
11.9468

182.8221,
149.9049, 215.0182

 5.2806, 2.2522,
6.5854

223.5369,
186.3951, 262.4570

 2.4493, 0.7482,
3.1297

269.8877,

 0.8697, 0.0000,

228.3729, 316.4055

1.1612

322.2400,
276.2226, 377.2822

■ 0.0000, 0.0000,
0.0000

■ 51.0020, 36.3135,
60.8210

■ 51.0020, 36.3135,
60.8210

■ 47.6591, 30.7548,
56.2304

■ 55.0531, 43.2426,
65.7863

■ 44.9739, 26.4679,
51.9950

■ 59.8516, 51.6219,
71.1397

■ 42.8945, 23.3489,
48.0964

■ 65.4378, 61.5309,
76.8967


■ 41.3595, 21.2755,
44.5124

■ 71.8481, 73.0420,
83.0707

■ 40.2936, 20.0977,
41.2163


■ 79.1166, 86.2227,
89.6746

 39.8614, 19.7143,
39.5889

 83.9997, 94.5857,
95.6287

 84.9066, 94.9484,
100.4040

 85.8434, 95.3231,
105.3373

 86.4435, 95.5632,
108.4972

Harmonies

Analogous

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



44.6378, 36.3135, 88.3679



51.0020, 36.3135, 60.8210



52.6652, 36.3135, 34.9731

Triad

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



51.0020, 36.3135, 60.8210



32.8814, 36.3135, 9.5083



23.2831, 36.3135, 72.4669

Complementary

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



51.0020, 36.3135, 60.8210



42.8836, 63.4400, 40.5594

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.



21.1026, 36.3135, 44.4865



51.0020, 36.3135, 60.8210



26.0512, 36.3135, 13.1340

Square

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



51.0020, 36.3135, 60.8210



41.3111, 36.3135, 10.9832



22.0294, 36.3135, 23.9102



28.5082, 36.3135, 96.7464

Rectangle

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



51.0020, 36.3135, 60.8210



50.6861, 36.3135, 22.8545



22.0294, 36.3135, 23.9102



22.2108, 36.3135, 62.8398

Sweetspot

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



51.0031, 36.3152, 60.8217



84.0036, 80.0958, 98.4708



34.9637, 27.6419, 78.3563



17.6175, 16.4957, 20.7173



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.



51.0031, 36.3152, 60.8217



60.4096, 39.1619, 71.3252



45.9531, 34.2952, 34.2284



14.8253, 14.5473, 17.2805



22.6198, 11.1821, 22.6907



1.7092, 0.8414, 1.8749

Inverse Universe

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



51.0031, 36.3152, 60.8217



60.4096, 39.1619, 71.3252



47.9797, 65.4784, 67.3953



14.8253, 14.5473, 17.2805



22.6198, 11.1821, 22.6907



1.7092, 0.8414, 1.8749

Previews

White Background



This preview shows how the XYZ color 51.0020, 36.3135, 60.8210 looks on a white background.

Color Contrast Check

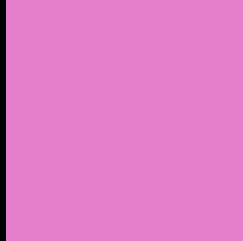
Large Text (above 18pt) WCAG AA × Fail

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 51.0020, 36.3135, 60.8210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

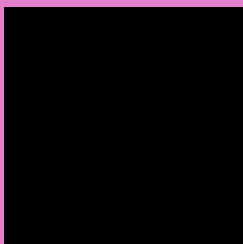
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0020, 36.3135, 60.8210

Background



This preview shows how black text looks on a background with the XYZ color 51.0020, 36.3135, 60.8210.



This preview shows how white text looks on a background with the XYZ color 51.0020, 36.3135,

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

51.0020, 36.3135, 60.8210

Protanopia

37.9038, 36.8420, 78.5123

Deuteranopia

37.1741, 36.4046, 57.8908



Tritanopia

45.2538, 36.1942, 33.0348

Trichromacy



Original Color

51.0020, 36.3135, 60.8210



Protanomaly

40.9892, 35.6080, 71.7305



Deuteranomaly

40.9922, 35.4301, 58.7110



Tritanomaly

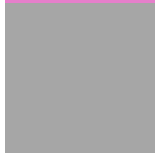
47.0506, 36.0835, 42.0211

Monochromacy



Original Color

51.0020, 36.3135, 60.8210



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

40.3512, 36.5300, 47.5721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0020, 36.3135, 60.8210 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(230, 127, 203)` looks like.

```
.text, #text, p{  
    color:rgb(230, 127, 203)  
}
```

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(230, 127, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 127, 203) }
```

Border

The CSS property to change the border of an element to XYZ 51.0020, 36.3135, 60.8210 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(230, 127, 203) }
```


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

```
.border{ border-color:rgb(230, 127, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 127, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 127, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 127, 203);  
box-shadow:4px 4px 4px 4px rgb(230, 127,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0020, 36.3135, 60.8210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 127, 203) }
```

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

```
.background{ background-color: rgb(230,  
127, 203) }
```

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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