

# Converting Colors

XYZ(51.7502, 36.1631, 61.9001)

Have a look what the booklet for  
XYZ(51.7502, 36.1631, 61.9001)  
contains.

<b>XYZ(51.8314, 36.1467, 62.0028)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(51.8314, 36.1467,  
62.0028)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E97CCD
RGB	233, 124, 205
RGB Percent	91%, 49%, 80%
CMY	0.0863, 0.5137, 0.1961
CMYK	0.00, 0.47, 0.12, 0.09
HSL	315°, 71%, 70%
HSV	315°, 47%, 91%
XYZ	51.8314, 36.1467, 62.0028
YIQ	165.8250, 38.9630, 48.2990

# Conversions

## Conversions Part 2

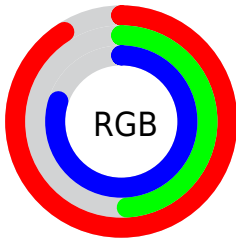
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 124, 205
Decimal	15301837
CIE Lab	66.63, 52.32, -23.30
CIE LCh	67, 57.280, 335.993
Yxy	36.1467, 0.3456, 0.2410
Android (android.graphics.Color)	4293491917 (0xFFE97CCD)
YUV	165.8250, 19.3133, 58.9125
Hunter-Lab	60.1221, 48.6715, -19.0592

# Details

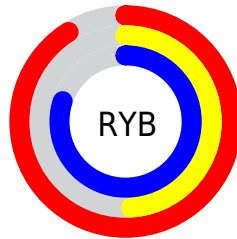
The XYZ color **51.8314, 36.1467, 62.0028** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **43.1202, 64.8312, 39.9494**, and the grayscale version is **36.0587, 37.9366, 41.3129**.

A 20% lighter version of the original color is **75.4101, 60.7202, 102.3534**, and **25.4553, 15.7286, 30.9724** is the 20% darker color. If you saturate the color by 10%, you get **48.5403, 30.6983, 57.4090**, and if you desaturate by 10%, it is **55.8422, 42.9890, 66.9736**.

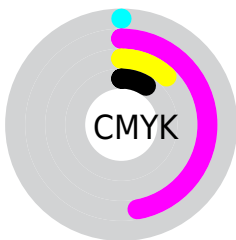
# Distribution



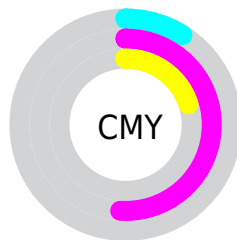
- Red (91%)
- Green (49%)
- Blue (80%)



- Red (91%)
- Yellow (49%)
- Blue (80%)



- Cyan (0%)
- Magenta (47%)
- Yellow (12%)
- Black (9%)




- Cyan (9%)
- Magenta (51%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8314, 36.1467, 62.0028 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 51.8314, 36.1467, 62.0028 by changing the saturation by 10% instead.





 51.8314, 36.1467,  
62.0028


 51.8314, 36.1467,  
62.0028

384.1200,  
329.6013, 449.9492

 37.0944, 24.5475,  
44.5992


 92.0582, 69.2584,  
109.3012

 25.4546, 15.7403,  
30.8012


 118.2788, 91.5398,  
140.0331

 16.5466, 9.3405,  
20.1903


 149.0580,  
118.1506, 176.0447

 10.0051, 4.9640,  
12.3480

184.7611,  
149.4754, 217.7548

 5.4646, 2.2261,  
6.8557

225.7535,  
185.8984, 265.5817

 2.5599, 0.7342,  
3.2950

272.4006,

 0.9256, 0.0000,

227.8042, 319.9440

1.2471

325.0676,  
275.5770, 381.2604

■ 0.0000, 0.0000,  
0.0179

■ 0.0000, 0.0000,  
0.0000

■ 51.8314, 36.1467,  
62.0028

■ 51.8314, 36.1467,  
62.0028

■ 48.5403, 30.6983,  
57.4090

■ 55.8422, 42.9890,  
66.9736

■ 45.9159, 26.5401,  
53.1720


■ 60.6140, 51.3093,  
72.3356


■ 43.9030, 23.5617,  
49.2721


■ 66.1891, 61.1911,  
78.1047


■ 42.4360, 21.6322,  
45.6861


■ 72.6056, 72.7099,  
84.2951


 41.4311, 20.5847,  
42.3843


 79.8992, 85.9366,  
90.9199

 41.1614, 20.3465,  
41.3662

 85.2291, 95.1896,  
97.0338

 86.1378, 95.5531,  
101.8189

 87.0761, 95.9284,  
106.7601

 87.4146, 96.0638,  
108.5427

# Harmonies

## Analogous

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



45.0472, 36.1467, 91.6149



51.8314, 36.1467, 62.0028



53.6185, 36.1467, 34.6066

# Triad

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



51.8314, 36.1467, 62.0028



32.6547, 36.1467, 8.5075



22.6146, 36.1467, 74.3665

# Complementary

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



51.8314, 36.1467, 62.0028



43.1202, 64.8312, 39.9494

# 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.



20.3674, 36.1467, 44.5247



51.8314, 36.1467, 62.0028



25.5068, 36.1467, 12.0885

# Square

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



51.8314, 36.1467, 62.0028



41.5510, 36.1467, 9.9697



21.3302, 36.1467, 23.0309



28.0442, 36.1467, 100.5986



# Rectangle

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



51.8314, 36.1467, 62.0028



51.5127, 36.1467, 22.0035



21.3302, 36.1467, 23.0309



21.5073, 36.1467, 64.0434

# Sweetspot

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



51.8325, 36.1484, 62.0035



83.2581, 78.7230, 97.8580



34.7263, 26.9037, 80.4543



17.4717, 16.2260, 20.6013



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.



51.8325, 36.1484, 62.0035



59.7525, 37.9710, 70.7261



46.4196, 33.9832, 33.4995



15.5399, 15.2438, 18.1286



23.4086, 11.5661, 23.7506



1.8768, 0.9237, 2.0685



# Inverse Universe

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



51.8325, 36.1484, 62.0035



59.7525, 37.9710, 70.7261



48.5627, 67.0082, 68.6092



15.5399, 15.2438, 18.1286



23.4086, 11.5661, 23.7506



1.8768, 0.9237, 2.0685



# Previews

## White Background



This preview shows how the XYZ color 51.8314, 36.1467, 62.0028 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

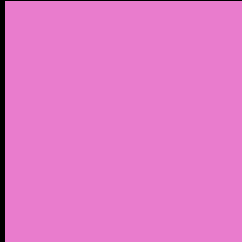
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8314, 36.1467, 62.0028 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

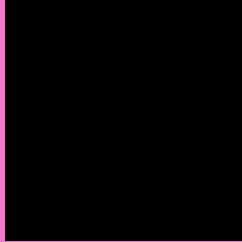
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.8314, 36.1467, 62.0028**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.8314, 36.1467, 62.0028.



This preview shows how white text looks on a background with the XYZ color 51.8314, 36.1467,



# 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

51.8314, 36.1467, 62.0028

### Protanopia

37.9515, 36.5433, 81.3972

### Deuteranopia

37.2041, 36.3934, 59.0966



## Tritanopia

45.7492, 36.0458, 32.1501

# Trichromacy



## Original Color

51.8314, 36.1467, 62.0028



## Protanomaly

41.0741, 35.1400, 73.7251



## Deuteranomaly

41.3150, 35.3396, 59.9020



## Tritanomaly

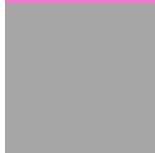
47.6322, 35.9877, 41.4816

# Monochromacy



## Original Color

51.8314, 36.1467, 62.0028



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

40.5400, 36.3757, 48.0645

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8314, 36.1467, 62.0028 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(233, 124, 205)` looks like.

```
.text, #text, p{  
    color:rgb(233, 124, 205)  
}
```

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(233, 124, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 124, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8314, 36.1467, 62.0028 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(233, 124, 205) }
```



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

```
.border{ border-color:rgb(233, 124, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 124, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 124, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 124, 205);  
box-shadow:4px 4px 4px 4px rgb(233, 124,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8314, 36.1467, 62.0028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 124, 205) }
```

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

```
.background{ background-color: rgb(233,  
124, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor