

# Converting Colors

XYZ(46.3369, 34.1030, 53.5079)

Have a look what the booklet for  
XYZ(46.3369, 34.1030, 53.5079)  
contains.

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# Color

**XYZ(46.2068, 34.0004,  
53.4176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB7FBF
RGB	219, 127, 191
RGB Percent	86%, 50%, 75%
CMY	0.1412, 0.5019, 0.2510
CMYK	0.00, 0.42, 0.13, 0.14
HSL	318°, 56%, 68%
HSV	318°, 42%, 86%
XYZ	46.2068, 34.0004, 53.4176
YIQ	161.8040, 34.2880, 39.4080

# Conversions

## Conversions Part 2

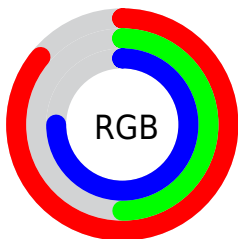
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">219, 127, 191</a>
Decimal	<a href="#">14385087</a>
CIELab	<a href="#">64.96, 44.17, -18.15</a>
CIELCh	<a href="#">65, 47.755, 337.666</a>
Yxy	<a href="#">34.0004, 0.3458, 0.2544</a>
Android (android.graphics.Color)	<a href="#">4292575167</a> ( <a href="#">0xFFDB7FBF</a> )
YUV	<a href="#">161.8040, 14.3936, 50.1609</a>
Hunter-Lab	<a href="#">58.3099, 39.4075, -13.4986</a>

# Details

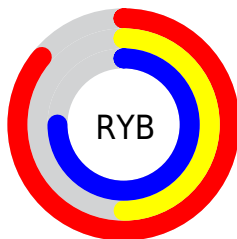
The XYZ color **46.2068, 34.0004, 53.4176** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **40.0018, 57.5428, 40.0114**, and the grayscale version is **34.1755, 35.9553, 39.1554**.

A 20% lighter version of the original color is **74.7564, 61.4313, 95.9130**, and **21.9317, 14.5197, 25.3136** is the 20% darker color. If you saturate the color by 10%, you get **42.9629, 28.6596, 48.7993**, and if you desaturate by 10%, it is **50.1008, 40.5871, 58.4180**.

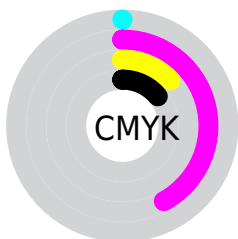
# Distribution



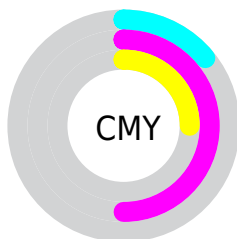
- Red (86%)
- Green (50%)
- Blue (75%)



- Red (86%)
- Yellow (50%)
- Blue (75%)



- Cyan (0%)
- Magenta (42%)
- Yellow (13%)
- Black (14%)




- Cyan (14%)
- Magenta (50%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2068, 34.0004, 53.4176 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 46.2068, 34.0004, 53.4176 by changing the saturation by 10% instead.





 46.2068, 34.0004,  
53.4176

 46.2068, 34.0004,  
53.4176

362.3414,  
320.1338, 416.9969


 32.6144, 22.8939,  
37.7462


 83.7544, 65.9343,  
96.6663

 21.9890, 14.5152,  
25.4855


 108.4402, 87.5305,  
125.0808

 13.9654, 8.4798,  
16.2168


 137.5546,  
113.3920, 158.5800

 8.1781, 4.4035,  
9.5217

171.4628,  
143.9033, 197.5826

 4.2619, 1.9017,  
4.9816

210.5302,  
179.4487, 242.5070

 1.8513, 0.5494,  
2.1779

255.1223,

 0.5483, 0.0000,

220.4127, 293.7719

0.6616

305.6042,  
267.1796, 351.7956

■ 0.0000, 0.0000,  
0.0000

■ 46.2068, 34.0004,  
53.4176

■ 46.2068, 34.0004,  
53.4176

■ 42.9629, 28.6596,  
48.7993

■ 50.1008, 40.5871,  
58.4180

■ 40.3254, 24.4793,  
44.5453

■ 54.6789, 48.4882,  
63.8130

■ 38.2499, 21.3708,  
40.6390


■ 59.9763, 57.7732,  
69.6167


■ 36.6841, 19.2306,  
37.0608


■ 66.0248, 68.5049,  
75.8418


■ 35.5655, 17.9343,  
33.7874


■ 72.8542, 80.7425,  
82.5001

 34.9095, 17.3385,  
31.3608

 79.3968, 92.3494,  
89.2378

 80.3564, 92.7333,  
94.2914

 81.3524, 93.1317,  
99.5360

 82.3849, 93.5447,  
104.9734

# Harmonies

## Analogous

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



41.1199, 34.0004, 75.9775



46.2068, 34.0004, 53.4176



47.3284, 34.0004, 32.1801

# Triad

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



46.2068, 34.0004, 53.4176



30.5788, 34.0004, 10.6893



22.9110, 34.0004, 65.4294

# Complementary

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



46.2068, 34.0004, 53.4176



40.0018, 57.5428, 40.0114

# 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.



20.8707, 34.0004, 42.3238



46.2068, 34.0004, 53.4176



24.8686, 34.0004, 14.3538

# Square

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



46.2068, 34.0004, 53.4176



37.6246, 34.0004, 11.8240



21.5325, 34.0004, 24.3779



27.5325, 34.0004, 84.4601



# Rectangle

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



46.2068, 34.0004, 53.4176



45.5480, 34.0004, 22.0329



21.5325, 34.0004, 24.3779



21.9329, 34.0004, 57.6130

# Sweetspot

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



46.2078, 34.0020, 53.4183



83.7892, 80.0100, 97.3417



33.8181, 27.2241, 70.4909



17.5642, 16.4744, 20.4370



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.



46.2078, 34.0020, 53.4183



61.3138, 41.5361, 69.8827



41.9459, 32.2972, 30.9751



13.4368, 13.2038, 15.5615



20.7503, 10.3012, 18.8629



1.3820, 0.6824, 1.4204



# Inverse Universe

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



46.2078, 34.0020, 53.4183



61.3138, 41.5361, 69.8827



44.5808, 59.3743, 64.1239



13.4368, 13.2038, 15.5615



20.7503, 10.3012, 18.8629

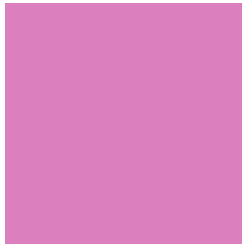


1.3820, 0.6824, 1.4204



# Previews

## White Background



This preview shows how the XYZ color 46.2068, 34.0004, 53.4176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

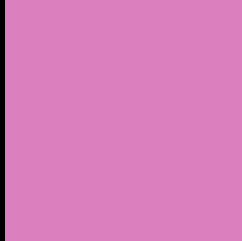
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.2068, 34.0004, 53.4176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

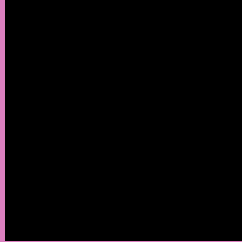
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.2068, 34.0004, 53.4176**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.2068, 34.0004, 53.4176.



This preview shows how white text looks on a background with the XYZ color 46.2068, 34.0004,



# 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

46.2068, 34.0004, 53.4176

### Protanopia

34.9275, 34.2812, 67.0634

### Deuteranopia

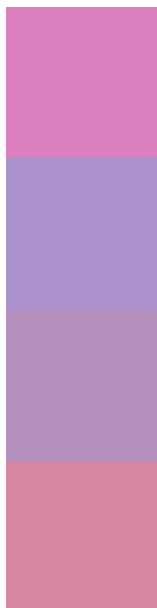
34.9157, 34.1300, 51.2019



## Tritanopia

41.7240, 33.9798, 31.5538

# Trichromacy



## Original Color

46.2068, 34.0004, 53.4176

## Protanomaly

37.6020, 33.1565, 61.5447

## Deuteranomaly

38.1064, 33.4011, 52.0156

## Tritanomaly

43.2280, 33.9826, 38.4634

# Monochromacy



## Original Color

46.2068, 34.0004, 53.4176

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

37.8187, 34.5793, 44.2164

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.2068, 34.0004, 53.4176 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(219, 127, 191)` looks like.

```
.text, #text, p{  
    color:rgb(219, 127, 191)  
}
```

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(219, 127, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 127, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 46.2068, 34.0004, 53.4176 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(219, 127, 191) }
```



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

```
.border{ border-color:rgb(219, 127, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 127, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 127, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 127, 191);  
box-shadow:4px 4px 4px 4px rgb(219, 127,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.2068, 34.0004, 53.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 127, 191) }
```

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

```
.background{ background-color: rgb(219,  
127, 191) }
```

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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