

Converting Colors

XYZ(45.1418, 31.4768, 53.8371)

Have a look what the booklet for
XYZ(45.1418, 31.4768, 53.8371)
contains.

XYZ(44.9732, 31.3566, 53.5513)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.9732, 31.3566,
53.5513)**

Conversions

Conversions Part 1

Format	Color
Hex	DB74C0
RGB	219, 116, 192
RGB Percent	86%, 45%, 75%
CMY	0.1412, 0.5451, 0.2471
CMYK	0.00, 0.47, 0.12, 0.14
HSL	316°, 59%, 66%
HSV	316°, 47%, 86%
XYZ	44.9732, 31.3566, 53.5513
YIQ	155.4610, 36.9920, 45.4720

Conversions

Conversions Part 2

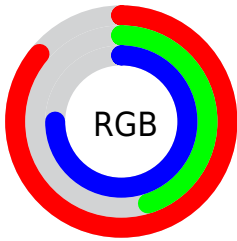
Format	Color
R _Y B	219, 116, 192
Decimal	14382272
CIE Lab	62.81, 49.93, -22.00
CIE LCh	63, 54.563, 336.227
Yxy	31.3566, 0.3463, 0.2414
Android (android.graphics.Color)	4292572352 (0xFFDB74C0)
YUV	155.4610, 18.0137, 55.7237
Hunter-Lab	55.9970, 45.3652, -17.5026

Details

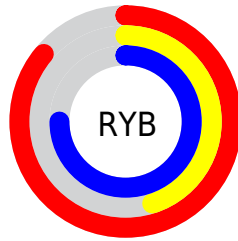
The XYZ color **44.9732, 31.3566, 53.5513** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.4933, 56.3601, 34.8913**, and the grayscale version is **31.2721, 32.9006, 35.8288**.

A 20% lighter version of the original color is **72.9018, 57.2254, 96.8258**, and **21.2652, 13.0714, 25.4470** is the 20% darker color. If you saturate the color by 10%, you get **42.1163, 26.6406, 49.5216**, and if you desaturate by 10%, it is **48.4519, 37.2754, 57.9113**.

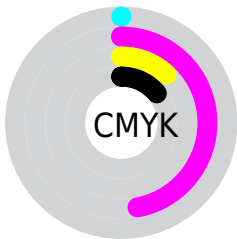
Distribution



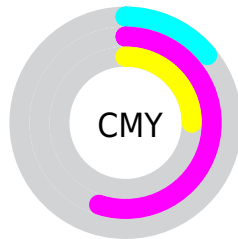
- Red (86%)
- Green (45%)
- Blue (75%)



- Red (86%)
- Yellow (45%)
- Blue (75%)



- Cyan (0%)
- Magenta (47%)
- Yellow (12%)
- Black (14%)




- Cyan (14%)
- Magenta (55%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9732, 31.3566, 53.5513 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 44.9732, 31.3566, 53.5513 by changing the saturation by 10% instead.


 44.9732, 31.3566,
53.5513


 44.9732, 31.3566,
53.5513

357.4505,
308.1778, 417.5228


 31.6375, 20.8705,
37.8523


 81.9175, 61.8011,
96.8649

 21.2390, 13.0294,
25.5671


 106.2568, 82.5283,
125.3165

 13.4123, 7.4488,
16.2772


 134.9947,
107.4380, 158.8561

 7.7920, 3.7443,
9.5641

168.4966,
136.9146, 197.9023

 4.0128, 1.5316,
5.0091

207.1277,
171.3425, 242.8735

 1.7094, 0.3108,
2.1938

251.2535,

 0.4621, 0.0000,

211.1060, 294.1883

0.6708

301.2394,
256.5897, 352.2652

■ 0.0000, 0.0000,
0.0000

■ 44.9732, 31.3566,
53.5513

■ 44.9732, 31.3566,
53.5513

■ 42.1163, 26.6406,
49.5216

■ 48.4519, 37.2754,
57.9113

■ 39.8355, 23.0380,
45.8048

■ 52.5879, 44.4694,
62.6139

■ 38.0834, 20.4540,
42.3838


■ 57.4178, 53.0103,
67.6728

■ 36.8034, 18.7760,
39.2385


■ 62.9742, 62.9633,
73.1004


■ 35.9216, 17.8563,
36.3426


■ 69.2879, 74.3894,
78.9082

 35.6988, 17.6543,
35.5178

 76.3876, 87.3459,
85.1070

 79.5659, 92.4171,
90.1289

 80.3959, 92.7491,
94.4995

 81.2527, 93.0918,
99.0118

Harmonies

Analogous

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



39.1222, 31.3566, 79.2300



44.9732, 31.3566, 53.5513



46.4815, 31.3566, 29.8723

Triad

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



44.9732, 31.3566, 53.5513



28.2728, 31.3566, 7.4044



19.6545, 31.3566, 64.6745

Complementary

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



44.9732, 31.3566, 53.5513



37.4933, 56.3601, 34.8913

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.



17.6850, 31.3566, 38.8004



44.9732, 31.3566, 53.5513



22.0962, 31.3566, 10.5500

Square

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



44.9732, 31.3566, 53.5513



35.9759, 31.3566, 8.6395



18.4978, 31.3566, 20.1007



24.3809, 31.3566, 87.3098

Rectangle

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



44.9732, 31.3566, 53.5513



44.6321, 31.3566, 19.0001



18.4978, 31.3566, 20.1007



18.6875, 31.3566, 55.7352

Sweetspot

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



44.9742, 31.3581, 53.5519



83.2294, 78.7115, 97.7066



30.1456, 23.3357, 69.9337



17.4647, 16.2232, 20.5642



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.



44.9742, 31.3581, 53.5519



59.6543, 37.9318, 70.2092



40.3237, 29.4979, 29.0630



13.4610, 13.2135, 15.6891



21.2147, 10.4869, 21.3086



1.4090, 0.6933, 1.5629

Inverse Universe

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



44.9742, 31.3581, 53.5519



59.6543, 37.9318, 70.2092



42.1887, 58.2383, 59.6171



13.4610, 13.2135, 15.6891



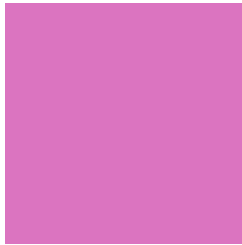
21.2147, 10.4869, 21.3086



1.4090, 0.6933, 1.5629

Previews

White Background



This preview shows how the XYZ color 44.9732, 31.3566, 53.5513 looks on a white background.

Color Contrast Check

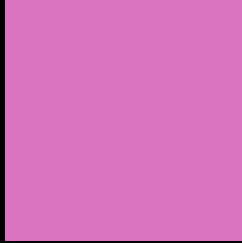
Large Text (above 18pt) WCAG AA × Fail

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 44.9732, 31.3566, 53.5513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

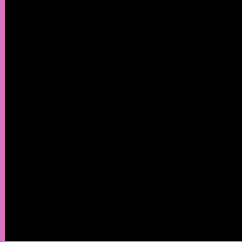
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.9732, 31.3566, 53.5513

Background



This preview shows how black text looks on a background with the XYZ color 44.9732, 31.3566, 53.5513.



This preview shows how white text looks on a background with the XYZ color 44.9732, 31.3566,

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

44.9732, 31.3566, 53.5513

Protanopia

32.7908, 31.6477, 70.0260

Deuteranopia

32.1880, 31.5241, 50.8426



Tritanopia

39.6751, 31.3906, 27.6348

Trichromacy



Original Color

44.9732, 31.3566, 53.5513



Protanomaly

35.5779, 30.5176, 63.6898



Deuteranomaly

35.7020, 30.6361, 51.6086



Tritanomaly

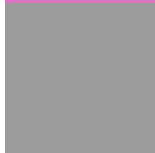
41.3178, 31.2967, 35.7615

Monochromacy



Original Color

44.9732, 31.3566, 53.5513



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

34.9529, 31.3419, 41.2532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9732, 31.3566, 53.5513 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, 116, 192)` looks like.

```
.text, #text, p{  
    color:rgb(219, 116, 192)  
}
```

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, 116, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 116, 192) }
```

Border

The CSS property to change the border of an element to XYZ 44.9732, 31.3566, 53.5513 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, 116, 192) }
```


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

```
.border{ border-color:rgb(219, 116, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 116, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 116, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 116, 192);  
box-shadow:4px 4px 4px 4px rgb(219, 116,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9732, 31.3566, 53.5513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 116, 192) }
```

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

```
.background{ background-color: rgb(219,  
116, 192) }
```

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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