

Converting Colors

XYZ(44.9901, 31.0655, 55.8143)

Have a look what the booklet for
XYZ(44.9901, 31.0655, 55.8143)
contains.

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Color

**XYZ(45.0080, 31.1524,
55.8654)**

Conversions

Conversions Part 1

Format	Color
Hex	DA73C4
RGB	218, 115, 196
RGB Percent	85%, 45%, 77%
CMY	0.1451, 0.5490, 0.2314
CMYK	0.00, 0.47, 0.10, 0.15
HSL	313°, 58%, 65%
HSV	313°, 47%, 85%
XYZ	45.0080, 31.1524, 55.8654
YIQ	155.0310, 35.3870, 47.0270

Conversions

Conversions Part 2

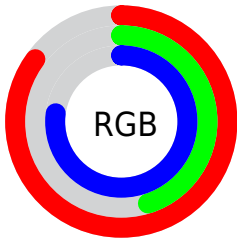
Format	Color
R _Y B	218, 115, 196
Decimal	14316484
CIE Lab	62.64, 50.77, -24.53
CIE LCh	63, 56.389, 334.211
Yxy	31.1524, 0.3409, 0.2360
Android (android.graphics.Color)	4292506564 (0xFFDA73C4)
YUV	155.0310, 20.1977, 55.2238
Hunter-Lab	55.8143, 46.2651, -20.2742

Details

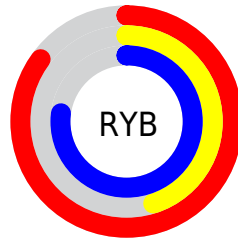
The XYZ color **45.0080, 31.1524, 55.8654** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.6584, 55.5949, 32.4679**, and the grayscale version is **31.0729, 32.6911, 35.6006**.

A 20% lighter version of the original color is **73.3443, 57.1013, 100.0845**, and **21.3031, 12.9753, 26.9729** is the 20% darker color. If you saturate the color by 10%, you get **42.2881, 26.5471, 52.3843**, and if you desaturate by 10%, it is **48.3341, 36.9426, 59.6304**.

Distribution



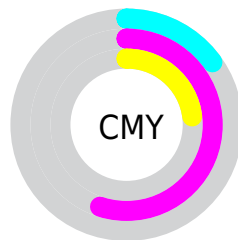
- Red (85%)
- Green (45%)
- Blue (77%)



- Red (85%)
- Yellow (45%)
- Blue (77%)



- Cyan (0%)
- Magenta (47%)
- Yellow (10%)
- Black (15%)





- Cyan (15%)
- Magenta (55%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0080, 31.1524, 55.8654 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 45.0080, 31.1524, 55.8654 by changing the saturation by 10% instead.


 45.0080, 31.1524,
55.8654


 45.0080, 31.1524,
55.8654

357.5891,
307.2398, 426.5581


 31.6650, 20.7149,
39.6917


 81.9694, 61.4799,
100.2916

 21.2601, 12.9158,
26.9863


 106.3186, 82.1388,
129.3812

 13.4278, 7.3706,
17.3306


 135.0671,
106.9735, 163.6132

 7.8028, 3.6949,
10.3060

168.5805,
136.3686, 203.4061

 4.0198, 1.5044,
5.4941

207.2241,
170.7084, 249.1786

 1.7133, 0.2918,
2.4762

251.3631,

 0.4646, 0.0000,

210.3772, 301.3490

0.8275

301.3630,
255.7596, 360.3360

■ 0.0000, 0.0000,
0.0000

■ 45.0080, 31.1524,
55.8654

■ 45.0080, 31.1524,
55.8654

■ 42.2881, 26.5471,
52.3843

■ 48.3341, 36.9426,
59.6304

■ 40.1291, 23.0383,
49.1703

■ 52.3016, 43.9894,
63.6907

■ 38.4842, 20.5318,
46.2074

■ 56.9462, 52.3638,
68.0594

■ 37.2976, 18.9162,
43.4762

■ 62.3005, 62.1305,
72.7479

■ 36.4945, 18.0422,
40.9511

■ 68.3946, 73.3495,
77.7669

■ 36.3060, 17.8625,
40.2801

■ 75.2570, 86.0778,
83.1268

■ 78.7604, 92.0602,
87.4523

■ 79.4180, 92.3233,
90.9152

■ 80.0932, 92.5934,
94.4707

Harmonies

Analogous

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



38.7194, 31.1524, 82.3375



45.0080, 31.1524, 55.8654



46.9278, 31.1524, 30.9061

Triad

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



45.0080, 31.1524, 55.8654



28.5376, 31.1524, 6.7982



18.9928, 31.1524, 63.7129

Complementary

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



45.0080, 31.1524, 55.8654



36.6584, 55.5949, 32.4679

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.



17.1815, 31.1524, 37.1230



45.0080, 31.1524, 55.8654



22.0537, 31.1524, 9.5779

Square

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



45.0080, 31.1524, 55.8654



36.5153, 31.1524, 8.3017



18.1971, 31.1524, 18.6375



23.6343, 31.1524, 88.0787

Rectangle

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



45.0080, 31.1524, 55.8654



45.2359, 31.1524, 19.3555



18.1971, 31.1524, 18.6375



18.0730, 31.1524, 54.4044

Sweetspot

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



45.0090, 31.1538, 55.8660



83.4962, 78.8183, 99.1116



28.8756, 22.5259, 69.1564



17.5301, 16.2494, 20.9088



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.



45.0090, 31.1538, 55.8660



60.2263, 37.7157, 74.5929



40.2260, 29.2406, 30.6789



13.4891, 13.2247, 15.8367



21.7918, 10.7178, 24.3474



1.4421, 0.7065, 1.7371

Inverse Universe

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



45.0090, 31.1538, 55.8660



60.2263, 37.7157, 74.5929



41.1232, 57.3808, 55.9794



13.4891, 13.2247, 15.8367



21.7918, 10.7178, 24.3474



1.4421, 0.7065, 1.7371

Previews

White Background



This preview shows how the XYZ color 45.0080, 31.1524, 55.8654 looks on a white background.

Color Contrast Check

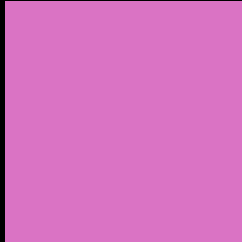
Large Text (above 18pt) WCAG AA × Fail

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 45.0080, 31.1524, 55.8654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

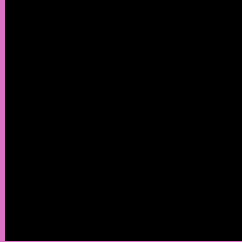
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.0080, 31.1524, 55.8654

Background



This preview shows how black text looks on a background with the XYZ color 45.0080, 31.1524, 55.8654.



This preview shows how white text looks on a background with the XYZ color 45.0080, 31.1524,

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

45.0080, 31.1524, 55.8654

Protanopia

32.9932, 31.6758, 73.4824

Deuteranopia

32.0743, 31.4156, 53.0885



Tritanopia

39.0985, 31.0934, 27.6078

Trichromacy



Original Color

45.0080, 31.1524, 55.8654



Protanomaly

35.6538, 30.2725, 66.9148



Deuteranomaly

35.6937, 30.5813, 53.8907



Tritanomaly

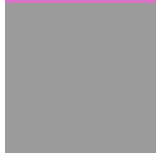
40.9861, 30.9307, 36.1578

Monochromacy



Original Color

45.0080, 31.1524, 55.8654



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

34.9939, 31.1234, 42.1933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0080, 31.1524, 55.8654 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(218, 115, 196)` looks like.

```
.text, #text, p{  
    color:rgb(218, 115, 196)  
}
```

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(218, 115, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 115, 196) }
```

Border

The CSS property to change the border of an element to XYZ 45.0080, 31.1524, 55.8654 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(218, 115, 196) }
```


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

```
.border{ border-color:rgb(218, 115, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 115, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 115, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 115, 196);  
box-shadow:4px 4px 4px 4px rgb(218, 115,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0080, 31.1524, 55.8654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 115, 196) }
```

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

```
.background{ background-color: rgb(218,  
115, 196) }
```

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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