

Converting Colors

XYZ(36.4127, 25.6157, 42.3523)

Have a look what the booklet for XYZ(36.4127, 25.6157, 42.3523) contains.

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Color

**XYZ(36.5163, 25.6046,
42.5527)**

Conversions

Conversions Part 1

Format	Color
Hex	C86AAD
RGB	200, 106, 173
RGB Percent	78%, 42%, 68%
CMY	0.2157, 0.5843, 0.3216
CMYK	0.00, 0.47, 0.14, 0.22
HSL	317°, 46%, 60%
HSV	317°, 47%, 78%
XYZ	36.5163, 25.6046, 42.5527
YIQ	141.7440, 34.5170, 40.7650

Conversions

Conversions Part 2

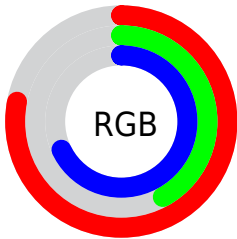
Format	Color
R_{YB}	200, 106, 173
Decimal	13134509
CIE _{Lab}	57.66, 45.99, -19.22
CIE _{LCh}	58, 49.842, 337.312
Yxy	25.6046, 0.3489, 0.2446
Android (android.graphics.Color)	4291324589 (0xFFC86AAD)
YUV	141.7440, 15.4092, 51.0905
Hunter-Lab	50.6010, 40.2631, -14.4390

Details

The XYZ color **36.5163, 25.6046, 42.5527** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **30.8330, 46.0670, 29.4591**, and the grayscale version is **25.5425, 26.8727, 29.2643**.

A 20% lighter version of the original color is **67.9537, 52.0588, 80.5955**, and **16.2720, 9.9481, 19.1517** is the 20% darker color. If you saturate the color by 10%, you get **34.1465, 21.7354, 39.0788**, and if you desaturate by 10%, it is **39.3922, 30.4470, 46.3137**.

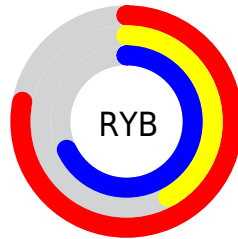
Distribution



Red (78%)

Green (42%)

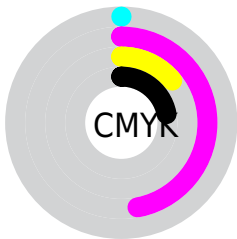
Blue (68%)



Red (78%)

Yellow (42%)

Blue (68%)

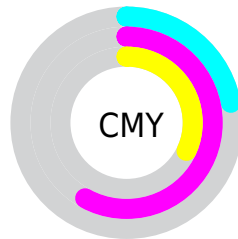


Cyan (0%)

Magenta (47%)

Yellow (14%)

Black (22%)



Cyan (22%)


Magenta (58%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5163, 25.6046, 42.5527 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 36.5163, 25.6046, 42.5527 by changing the saturation by 10% instead.

 36.5163, 25.6046,
42.5527


 36.5163, 25.6046,
42.5527


322.6036,
280.8357, 372.6360


 25.0052, 16.5281,
29.2055


 69.1469, 52.6364,
80.3145


 16.2097, 9.8986,
18.9894


 90.9971, 71.3604,
105.5663

 9.7644, 5.3318,
11.4859


 117.0243, 94.0691,
135.6232

 5.3041, 2.4432,
6.2764

 147.5939,
121.1468, 170.9040

 2.4634, 0.8480,
2.9424

183.0713,
152.9779, 211.8272

 0.8768, 0.0000,
1.0653

223.8218,

 0.0000, 0.0000,

189.9468, 258.8112

0.0000

270.2108,
232.4379, 312.2746

■ 36.5163, 25.6046,
42.5527

■ 36.5163, 25.6046,
42.5527

■ 34.1465, 21.7354,
39.0788

■ 39.3922, 30.4470,
46.3137

■ 32.2463, 18.7678,
35.8777

■ 42.8026, 36.3203,
50.3721

■ 30.7777, 16.6262,
32.9355


■ 46.7769, 43.2820,
54.7392

■ 29.6958, 15.2212,
30.2356


■ 51.3413, 51.3843,
59.4252


■ 28.9399, 14.4319,
27.7564


■ 56.5205, 60.6762,
64.4397

 28.7436, 14.2490,
27.0438

 62.3377, 71.2034,
69.7918

 68.8149, 83.0097,
75.4900

 72.3607, 88.9119,
80.3387

 73.1301, 89.2197,
84.3907

Harmonies

Analogous

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



31.9658, 25.6046, 62.9822



36.5163, 25.6046, 42.5527



37.5664, 25.6046, 23.9064

Triad

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



36.5163, 25.6046, 42.5527



22.9066, 25.6046, 6.3509



16.3116, 25.6046, 52.8844

Complementary

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



36.5163, 25.6046, 42.5527



30.8330, 46.0670, 29.4591

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.



14.6466, 25.6046, 32.2691



36.5163, 25.6046, 42.5527



18.0292, 25.6046, 9.0736

Square

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



36.5163, 25.6046, 42.5527



29.0301, 25.6046, 7.2369



15.2196, 25.6046, 17.0383



20.1780, 25.6046, 70.4525

Rectangle

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



36.5163, 25.6046, 42.5527



36.0064, 25.6046, 15.3673



15.2196, 25.6046, 17.0383



15.5073, 25.6046, 45.8151

Sweetspot

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



36.5171, 25.6058, 42.5532



83.0924, 78.6567, 96.9852



25.1957, 19.4364, 57.0677



17.4311, 16.2098, 20.3874



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.



36.5171, 25.6058, 42.5532



59.1914, 37.7466, 67.7715



32.7641, 24.1046, 22.7902



10.9482, 10.7627, 12.7105



18.3163, 9.0761, 17.4075



0.8974, 0.4418, 0.9831

Inverse Universe

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



36.5171, 25.6058, 42.5532



59.1914, 37.7466, 67.7715



34.8000, 47.6539, 50.3493



10.9482, 10.7627, 12.7105



18.3163, 9.0761, 17.4075



0.8974, 0.4418, 0.9831

Previews

White Background



This preview shows how the XYZ color 36.5163, 25.6046, 42.5527 looks on a white background.

Color Contrast Check

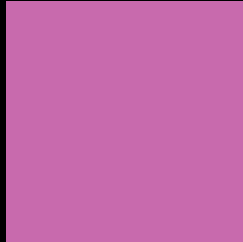
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.5163, 25.6046, 42.5527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

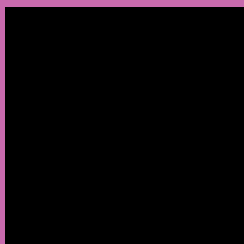
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.5163, 25.6046, 42.5527

Background



This preview shows how black text looks on a background with the XYZ color 36.5163, 25.6046, 42.5527.



This preview shows how white text looks on a background with the XYZ color 36.5163, 25.6046,

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

36.5163, 25.6046, 42.5527

Protanopia

26.7946, 25.9418, 55.8196

Deuteranopia

26.3533, 25.8387, 40.6442



Tritanopia

32.4527, 25.5736, 22.6278

Trichromacy



Original Color

36.5163, 25.6046, 42.5527



Protanomaly

29.1156, 25.0366, 50.8749



Deuteranomaly

29.2873, 25.1466, 41.3404



Tritanomaly

33.7026, 25.4117, 28.7198

Monochromacy



Original Color

36.5163, 25.6046, 42.5527



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

28.7043, 25.7870, 33.6015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5163, 25.6046, 42.5527 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(200, 106, 173)` looks like.

```
.text, #text, p{  
    color:rgb(200, 106, 173)  
}
```

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(200, 106, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 106, 173) }
```

Border

The CSS property to change the border of an element to XYZ 36.5163, 25.6046, 42.5527 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(200, 106, 173) }
```


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

```
.border{ border-color:rgb(200, 106, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 106, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 106, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 106, 173);  
box-shadow:4px 4px 4px 4px rgb(200, 106,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5163, 25.6046, 42.5527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 106, 173) }
```

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

```
.background{ background-color: rgb(200,  
106, 173) }
```

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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