

Converting Colors

XYZ(39.9633, 26.3557, 56.6759)

Have a look what the booklet for
XYZ(39.9633, 26.3557, 56.6759)
contains.

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Color

**XYZ(40.0236, 26.3637,
56.4053)**

Conversions

Conversions Part 1

Format	Color
Hex	CD65C6
RGB	205, 101, 198
RGB Percent	80%, 40%, 78%
CMY	0.1961, 0.6039, 0.2235
CMYK	0.00, 0.51, 0.03, 0.20
HSL	304°, 51%, 60%
HSV	304°, 51%, 80%
XYZ	40.0236, 26.3637, 56.4053
YIQ	143.1540, 30.8470, 52.2150

Conversions

Conversions Part 2

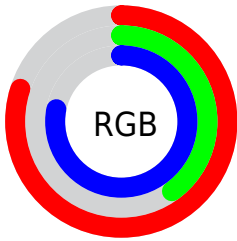
Format	Color
RYB	205, 101, 198
Decimal	13460934
CIELab	58.38, 54.16, -32.38
CIELCh	58, 63.105, 329.124
Yxy	26.3637, 0.3259, 0.2147
Android (android.graphics.Color)	4291651014 (0xFFCD65C6)
YUV	143.1540, 27.0391, 54.2389
Hunter-Lab	51.3456, 49.2850, -29.1906

Details

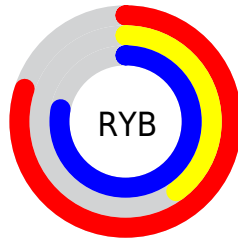
The XYZ color **40.0236, 26.3637, 56.4053** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **29.9061, 47.5131, 21.7837**, and the grayscale version is **26.0576, 27.4146, 29.8545**.

A 20% lighter version of the original color is **71.1785, 52.2569, 100.9428**, and **18.2238, 10.2635, 27.4061** is the 20% darker color. If you saturate the color by 10%, you get **38.1176, 22.8047, 54.9884**, and if you desaturate by 10%, it is **42.4292, 30.9184, 57.9964**.

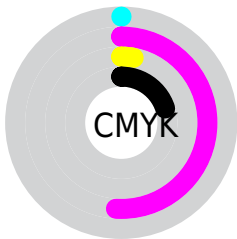
Distribution



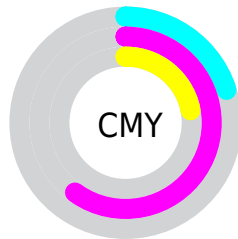
- Red (80%)
- Green (40%)
- Blue (78%)



- Red (80%)
- Yellow (40%)
- Blue (78%)



- Cyan (0%)
- Magenta (51%)
- Yellow (3%)
- Black (20%)





- Cyan (20%)
- Magenta (60%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0236, 26.3637, 56.4053 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 40.0236, 26.3637, 56.4053 by changing the saturation by 10% instead.


 40.0236, 26.3637,
56.4053


 40.0236, 26.3637,
56.4053

337.3557,
284.5629, 428.6483


 27.7412, 17.0959,
40.1218


 74.4836, 53.8611,
101.0886


 18.2701, 10.3029,
27.3190


 97.3919, 72.8595,
130.3255

 11.2450, 5.6003,
17.5784


 124.5729, 95.8703,
164.7173

 6.3004, 2.6036,
10.4814

 156.3919,
123.2778, 204.6825

 3.0710, 0.9285,
5.6096

193.2144,
155.4664, 250.6397

 1.1914, 0.0000,
2.5442

235.4056,

 0.0996, 0.0000,

192.8205, 303.0073

0.8635

283.3309,
235.7246, 362.2040

■ 0.0000, 0.0000,
0.0000

■ 40.0236, 26.3637,
56.4053

■ 40.0236, 26.3637,
56.4053

■ 38.1176, 22.8047,
54.9884

■ 42.4292, 30.9184,
57.9964

■ 36.6709, 20.1626,
53.7314

■ 45.3655, 36.5327,
59.7713

■ 35.6414, 18.3525,
52.6207

■ 48.8641, 43.2693,
61.7409

■ 34.9779, 17.2723,
51.6391

■ 52.9535, 51.1852,
63.9146

■ 34.6034, 16.7498,
50.8156

■ 57.6602, 60.3334,
66.3013

■ 63.0092, 70.7636,
68.9093

■ 69.0238, 82.5230,
71.7465

■ 72.4509, 89.1048,
73.7285

■ 72.6226, 89.1735,
74.6326

Harmonies

Analogous

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



32.9713, 26.3637, 83.9160



40.0236, 26.3637, 56.4053



42.9552, 26.3637, 29.3580

Triad

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



40.0236, 26.3637, 56.4053



25.2847, 26.3637, 3.7629



14.2274, 26.3637, 54.6640

Complementary

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



40.0236, 26.3637, 56.4053



29.9061, 47.5131, 21.7837

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.



12.9839, 26.3637, 28.0629



40.0236, 26.3637, 56.4053



18.5243, 26.3637, 5.3201

Square

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



40.0236, 26.3637, 56.4053



33.4438, 26.3637, 5.5333



14.3830, 26.3637, 11.9885



18.2059, 26.3637, 82.5990

Rectangle

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



40.0236, 26.3637, 56.4053



41.7986, 26.3637, 16.9403



14.3830, 26.3637, 11.9885



13.5168, 26.3637, 44.9472

Sweetspot

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



40.0245, 26.3649, 56.4058



83.6266, 77.8122, 103.0607



21.8506, 16.9004, 59.8690



17.5959, 16.0674, 21.8974



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.



40.0245, 26.3649, 56.4058



62.1541, 36.8330, 89.8430



35.0252, 24.3652, 30.0796



11.6537, 11.3902, 13.9769



21.5557, 10.4329, 31.7086



1.1221, 0.5422, 1.6887

Inverse Universe

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



40.0245, 26.3649, 56.4058



62.1541, 36.8330, 89.8430



33.5386, 48.9661, 40.9122



11.6537, 11.3902, 13.9769



21.5557, 10.4329, 31.7086



1.1221, 0.5422, 1.6887

Previews

White Background



This preview shows how the XYZ color 40.0236, 26.3637, 56.4053 looks on a white background.

Color Contrast Check

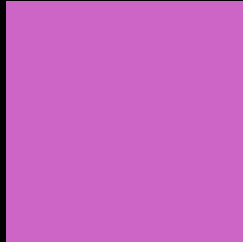
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.0236, 26.3637, 56.4053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

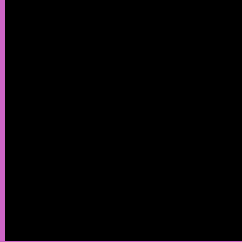
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.0236, 26.3637, 56.4053

Background



This preview shows how black text looks on a background with the XYZ color 40.0236, 26.3637, 56.4053.

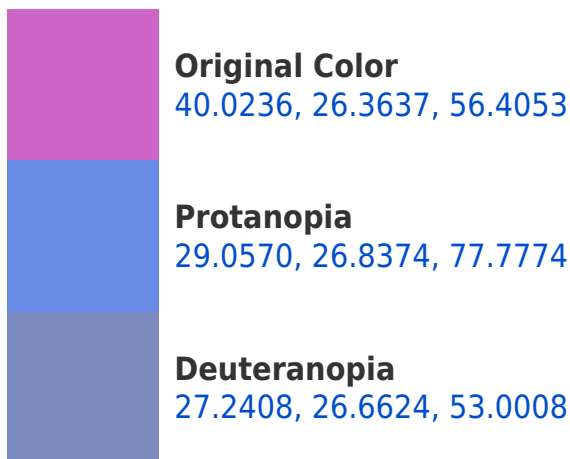


This preview shows how white text looks on a background with the XYZ color 40.0236, 26.3637,

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





Tritanopia

33.3352, 26.3595, 23.4096

Trichromacy



Original Color

40.0236, 26.3637, 56.4053



Protanomaly

30.9730, 25.3919, 69.5983



Deuteranomaly

30.5888, 25.5308, 54.3547



Tritanomaly

35.3634, 26.1676, 33.3240

Monochromacy



Original Color

40.0236, 26.3637, 56.4053



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

30.0559, 26.1897, 38.1213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0236, 26.3637, 56.4053 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(205, 101, 198)` looks like.

```
.text, #text, p{  
    color:rgb(205, 101, 198)  
}
```

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(205, 101, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 101, 198) }
```

Border

The CSS property to change the border of an element to XYZ 40.0236, 26.3637, 56.4053 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(205, 101, 198) }
```


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

```
.border{ border-color:rgb(205, 101, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 101, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 101, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 101, 198);  
box-shadow:4px 4px 4px 4px rgb(205, 101,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0236, 26.3637, 56.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 101, 198) }
```

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

```
.background{ background-color: rgb(205,  
101, 198) }
```

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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