

Converting Colors

XYZ(36.5818, 24.4063, 33.3869)

Have a look what the booklet for
XYZ(36.5818, 24.4063, 33.3869)
contains.

XYZ(36.5939, 24.4005, 33.3529)	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(36.5939, 24.4005,
33.3529)**

Conversions

Conversions Part 1

Format	Color
Hex	D2609A
RGB	210, 96, 154
RGB Percent	82%, 38%, 60%
CMY	0.1765, 0.6235, 0.3961
CMYK	0.00, 0.54, 0.27, 0.18
HSL	329°, 56%, 60%
HSV	329°, 54%, 82%
XYZ	36.5939, 24.4005, 33.3529
YIQ	136.6980, 49.3260, 42.2060

Conversions

Conversions Part 2

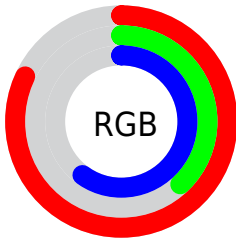
Format	Color
R _Y B	210, 96, 154
Decimal	13787290
CIE Lab	56.49, 51.30, -9.84
CIE LCh	56, 52.236, 349.138
Yxy	24.4005, 0.3879, 0.2586
Android (android.graphics.Color)	4291977370 (0xFFD2609A)
YUV	136.6980, 8.5299, 64.2859
Hunter-Lab	49.3969, 45.7908, -5.4550

Details

The XYZ color **36.5939, 24.4005, 33.3529** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **33.5392, 50.8476, 37.7553**, and the grayscale version is **23.6207, 24.8508, 27.0625**.

A 20% lighter version of the original color is **63.5315, 47.6268, 65.5189**, and **16.1900, 9.2405, 13.7623** is the 20% darker color. If you saturate the color by 10%, you get **34.1048, 20.7387, 28.4647**, and if you desaturate by 10%, it is **39.6699, 29.1176, 38.8016**.

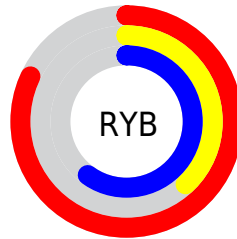
Distribution



Red (82%)

Green (38%)

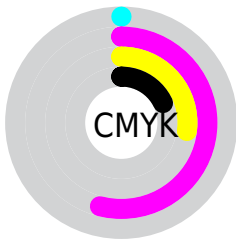
Blue (60%)



Red (82%)

Yellow (38%)

Blue (60%)

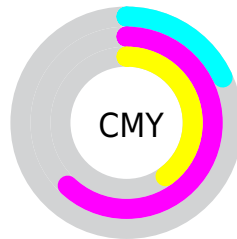


Cyan (0%)

Magenta (54%)

Yellow (27%)

Black (18%)



Cyan (18%)


Magenta (62%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5939, 24.4005, 33.3529 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 36.5939, 24.4005, 33.3529 by changing the saturation by 10% instead.

 36.5939, 24.4005,
33.3529

 36.5939, 24.4005,
33.3529


322.9351,
274.8391, 331.9176


 25.0655, 15.6310,
22.1236


 69.2657, 50.6830,
66.0484


 16.2548, 9.2634,
13.7486


 91.1397, 68.9647,
88.3518

 9.7966, 4.9134,
7.8092


 117.1929, 91.1860,
115.1835

 5.3256, 2.1965,
3.8871

 147.7908,
117.7312, 146.9623

 2.4762, 0.7181,
1.5636

183.2985,
148.9847, 184.1065

 0.8833, 0.0000,
0.2647

224.0816,

 0.0000, 0.0000,

185.3309, 227.0347

0.0000

270.5054,
227.1542, 276.1656

■ 36.5939, 24.4005,
33.3529

■ 36.5939, 24.4005,
33.3529

■ 34.1048, 20.7387,
28.4647

■ 39.6699, 29.1176,
38.8016

■ 32.1569, 18.0442,
24.1119

■ 43.3697, 34.9613,
44.8312

■ 30.7008, 16.2211,
20.2687

■ 47.7293, 42.0009,
51.4623

■ 29.6757, 15.1511,
16.9052

■ 52.7814, 50.2990,
58.7142

■ 29.2236, 14.7598,
15.1737

■ 58.5564, 59.9140,
66.6050

■ 65.0829, 70.9004,
75.1518

■ 72.3879, 83.3096,
84.3711

■ 77.5559, 91.3087,
93.2986

■ 79.1033, 91.9276,
101.4467

Harmonies

Analogous

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



33.1484, 24.4005, 54.8656



36.5939, 24.4005, 33.3529



36.0081, 24.4005, 17.0745

Triad

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



36.5939, 24.4005, 33.3529



19.5836, 24.4005, 5.8874



16.3839, 24.4005, 60.5657

Complementary

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



36.5939, 24.4005, 33.3529



33.5392, 50.8476, 37.7553

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.



13.8471, 24.4005, 39.0547



36.5939, 24.4005, 33.3529



15.4602, 24.4005, 10.1897

Square

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



36.5939, 24.4005, 33.3529



25.4536, 24.4005, 5.4433



13.5413, 24.4005, 20.7719



21.0683, 24.4005, 74.5512

Rectangle

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



36.5939, 24.4005, 33.3529



33.4345, 24.4005, 10.6003



13.5413, 24.4005, 20.7719



15.2892, 24.4005, 53.6303

Sweetspot

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



36.5946, 24.4017, 33.3534



80.3264, 75.4501, 88.8943



28.5981, 19.6093, 63.2505



16.8338, 15.5575, 18.5167



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.



36.5946, 24.4017, 33.3534



52.4318, 31.4859, 43.1414



32.9620, 22.9487, 14.2244



12.0561, 11.9072, 13.5713



17.8769, 9.0236, 9.5240



1.0396, 0.5206, 0.7434

Inverse Universe

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



36.5946, 24.4017, 33.3534



52.4318, 31.4859, 43.1414



39.2687, 53.1394, 67.9264



12.0561, 11.9072, 13.5713



17.8769, 9.0236, 9.5240



1.0396, 0.5206, 0.7434

Previews

White Background



This preview shows how the XYZ color 36.5939, 24.4005, 33.3529 looks on a white background.

Color Contrast Check

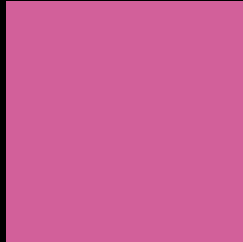
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.5939, 24.4005, 33.3529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

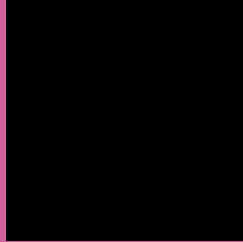
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.5939, 24.4005, 33.3529

Background



This preview shows how black text looks on a background with the XYZ color 36.5939, 24.4005, 33.3529.



This preview shows how white text looks on a background with the XYZ color 36.5939, 24.4005,

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

36.5939, 24.4005, 33.3529

Protanopia

24.9317, 24.5564, 46.6058

Deuteranopia

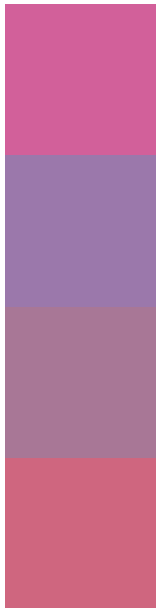
25.0982, 24.5699, 31.4366



Tritanopia

33.4298, 24.3948, 18.2760

Trichromacy



Original Color

36.5939, 24.4005, 33.3529

Protanomaly

27.5847, 23.3418, 41.5796

Deuteranomaly

28.2503, 23.7205, 31.9437

Tritanomaly

34.3143, 24.3004, 22.9606

Monochromacy



Original Color

36.5939, 24.4005, 33.3529

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

27.2273, 23.7948, 29.1444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5939, 24.4005, 33.3529 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(210, 96, 154)` looks like.

```
.text, #text, p{  
  color:rgb(210, 96, 154)  
}
```

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(210, 96, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 96, 154) }
```

Border

The CSS property to change the border of an element to XYZ 36.5939, 24.4005, 33.3529 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(210, 96, 154) }
```


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

```
.border{ border-color:rgb(210, 96, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 96, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 96, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 96, 154);  
box-shadow:4px 4px 4px 4px rgb(210, 96,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5939, 24.4005, 33.3529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 96, 154) }
```

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

```
.background{ background-color: rgb(210, 96,  
154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor