

Converting Colors

XYZ(32.9237, 15.9121, 53.7697)

Have a look what the booklet for
XYZ(32.9237, 15.9121, 53.7697)
contains.

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Color

**XYZ(32.7939, 15.8515,
53.5558)**

Conversions

Conversions Part 1

Format	Color
Hex	C406C4
RGB	196, 6, 196
RGB Percent	77%, 2%, 77%
CMY	0.2314, 0.9764, 0.2314
CMYK	0.00, 0.97, 0.00, 0.23
HSL	300°, 94%, 40%
HSV	300°, 97%, 77%
XYZ	32.7939, 15.8515, 53.5558
YIQ	84.4700, 52.2500, 99.3700

Conversions

Conversions Part 2

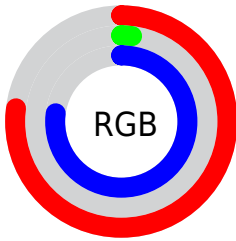
Format	Color
RYB	196, 6, 196
Decimal	12846788
CIELab	46.78, 80.09, -49.63
CIELCh	47, 94.223, 328.212
Yxy	15.8515, 0.3209, 0.1551
Android (android.graphics.Color)	4291036868 (0xFFC406C4)
YUV	84.4700, 54.9843, 97.8118
Hunter-Lab	39.8139, 77.3523, -51.8843

Details

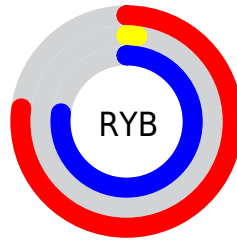
The XYZ color **32.7939, 15.8515, 53.5558** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **19.8486, 39.5326, 6.7574**, and the grayscale version is **8.4089, 8.8469, 9.6342**.

A 20% lighter version of the original color is **62.7968, 36.0061, 96.5686**, and **15.1242, 7.2415, 25.7999** is the 20% darker color. If you saturate the color by 10%, you get **32.7292, 15.7215, 53.5343**, and if you desaturate by 10%, it is **33.0903, 16.4437, 53.6548**.

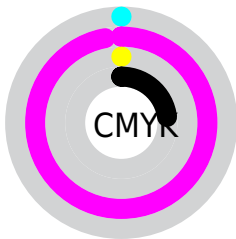
Distribution



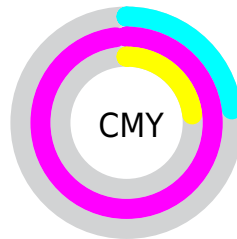
- Red (77%)
- Green (2%)
- Blue (77%)



- Red (77%)
- Yellow (2%)
- Blue (77%)



- Cyan (0%)
- Magenta (97%)
- Yellow (0%)
- Black (23%)



- Cyan (23%)
- Magenta (98%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7939, 15.8515, 53.5558 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 32.7939, 15.8515, 53.5558 by changing the saturation by 10% instead.

■ 32.7939, 15.8515,
53.5558

■ 32.7939, 15.8515,
53.5558

306.4014,
228.4639, 417.5405

■ 22.1271, 9.4191,
37.8559

■ 63.4105, 36.3402,
96.8715

■ 14.0674, 5.0156,
25.5699

■ 84.0909, 51.1653,
125.3244

■ 8.2496, 2.2564,
16.2793

■ 108.8400, 69.5568,
158.8654

■ 4.3082, 0.7505,
9.5655

■ 138.0229, 91.8991,
197.9130

■ 1.8779, 0.0000,
5.0100

■ 172.0052,
118.5766, 242.8858

■ 0.5640, 0.0000,
2.1943

■ 211.1522,

■ 0.0000, 0.0000,

149.9736, 294.2023

0.6711

255.8291,
186.4745, 352.2810

■ 0.0000, 0.0000,
0.0000

■ 32.7939, 15.8515,
53.5558

■ 32.7939, 15.8515,
53.5558

■ 32.7292, 15.7215,
53.5343

■ 33.0903, 16.4437,
53.6548

■ 33.6761, 17.6153,
53.8501

■ 34.6094, 19.4818,
54.1612

■ 35.9325, 22.1280,
54.6023

■ 37.6819, 25.6268,
55.1855

■ 39.8898, 30.0426,
55.9216

■ 42.5853, 35.4336,
56.8201

■ 45.7952, 41.8534,
57.8902

■ 49.5442, 49.3513,
59.1399

Harmonies

Analogous

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



23.7982, 15.8515, 95.2371



32.7939, 15.8515, 53.5558



36.9069, 15.8515, 18.7048

Triad

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



32.7939, 15.8515, 53.5558



15.5629, 15.8515, 0.0000



5.0178, 15.8515, 48.5381

Complementary

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



32.7939, 15.8515, 53.5558



19.8486, 39.5326, 6.7574

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.



4.1753, 15.8515, 15.8908



32.7939, 15.8515, 53.5558



8.7839, 15.8515, 0.0000

Square

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



32.7939, 15.8515, 53.5558



24.9707, 15.8515, 0.0395



5.2575, 15.8515, 2.7395



8.2034, 15.8515, 90.9120

Rectangle

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



32.7939, 15.8515, 53.5558



35.5063, 15.8515, 6.6577



5.2575, 15.8515, 2.7395



4.5161, 15.8515, 35.5262

Sweetspot

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



32.7946, 15.8522, 53.5561



75.8240, 61.5481, 102.4910



10.1047, 4.1552, 52.4949



15.7742, 12.2633, 21.7855



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.



32.7946, 15.8522, 53.5561



59.2898, 28.4799, 96.9788



25.1803, 12.8065, 13.4598



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3976



0.9086, 0.4365, 1.4862

Inverse Universe

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



32.7946, 15.8522, 53.5561



59.2898, 28.4799, 96.9788



22.1652, 40.4592, 18.9562



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3976



0.9086, 0.4365, 1.4862

Previews

White Background



This preview shows how the XYZ color 32.7939, 15.8515, 53.5558 looks on a white background.

Color Contrast Check

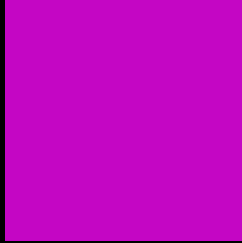
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.7939, 15.8515, 53.5558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

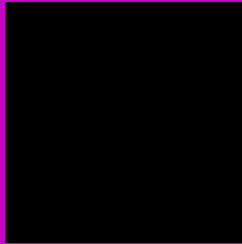
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.7939, 15.8515, 53.5558

Background



This preview shows how black text looks on a background with the XYZ color 32.7939, 15.8515, 53.5558.



This preview shows how white text looks on a background with the XYZ color 32.7939, 15.8515,

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

32.7939, 15.8515, 53.5558

Protanopia

19.7516, 16.6504, 77.0357

Deuteranopia

16.8716, 16.4642, 47.6361



Tritanopia

23.9440, 16.1073, 9.8297

Trichromacy



Original Color

32.7939, 15.8515, 53.5558



Protanomaly

17.5708, 11.0363, 67.5338



Deuteranomaly

18.4653, 12.1058, 48.9404



Tritanomaly

25.4980, 14.4891, 20.1917

Monochromacy



Original Color

32.7939, 15.8515, 53.5558



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

13.5733, 8.6690, 20.3599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7939, 15.8515, 53.5558 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(196, 6, 196)` looks like.

```
.text, #text, p{  
    color:rgb(196, 6, 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(196, 6, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 6, 196) }
```

Border

The CSS property to change the border of an element to XYZ 32.7939, 15.8515, 53.5558 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(196, 6, 196) }
```


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

```
.border{ border-color:rgb(196, 6, 196) }
```

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

Here you see how a box with a 4 pixel rgb(196, 6, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 6, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 6, 196);  
box-shadow:4px 4px 4px 4px rgb(196, 6,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7939, 15.8515, 53.5558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 6, 196) }
```

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

```
.background{ background-color: rgb(196, 6,  
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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