

Converting Colors

XYZ(47.6690, 23.9646, 35.3748)

Have a look what the booklet for
XYZ(47.6690, 23.9646, 35.3748)
contains.

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Color

**XYZ(47.6720, 23.9717,
35.3721)**

Conversions

Conversions Part 1

Format	Color
Hex	FF08A0
RGB	255, 8, 160
RGB Percent	100%, 3%, 63%
CMY	0.0000, 0.9684, 0.3725
CMYK	0.00, 0.97, 0.37, 0.00
HSL	323°, 100%, 52%
HSV	323°, 97%, 100%
XYZ	47.6720, 23.9717, 35.3721
YIQ	99.1810, 98.4200, 99.6360

Conversions

Conversions Part 2

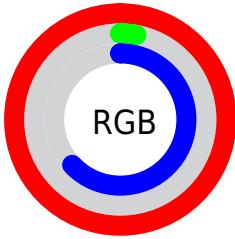
Format	Color
R_{YB}	255, 8, 160
Decimal	16713888
CIE _{Lab}	56.06, 86.66, -13.25
CIE _{LCh}	56, 87.669, 351.309
Yxy	23.9717, 0.4455, 0.2240
Android (android.graphics.Color)	4294903968 (0xFFFF08A0)
YUV	99.1810, 29.9838, 136.6533
Hunter-Lab	48.9609, 88.1194, -8.5618

Details

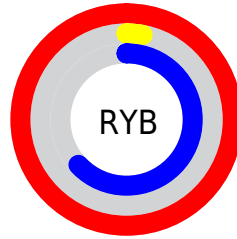
The XYZ color **47.6720, 23.9717, 35.3721** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **38.3121, 72.5525, 24.8326**, and the grayscale version is **11.8233, 12.4390, 13.5461**.

A 20% lighter version of the original color is **58.2571, 35.6690, 68.1043**, and **24.4985, 12.3106, 15.5530** is the 20% darker color. If you saturate the color by 10%, you get **47.3172, 23.6909, 33.9322**, and if you desaturate by 10%, it is **49.0373, 25.2742, 40.2301**.

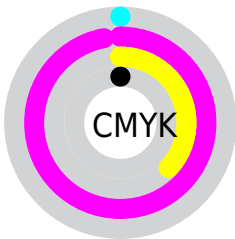
Distribution



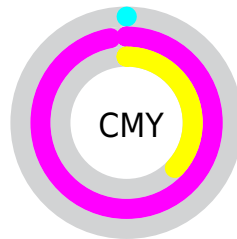
- Red (100%)
- Green (3%)
- Blue (63%)



- Red (100%)
- Yellow (3%)
- Blue (63%)



- Cyan (0%)
- Magenta (97%)
- Yellow (37%)
- Black (0%)



- Cyan (0%)
- Magenta (97%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6720, 23.9717, 35.3721 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 47.6720, 23.9717, 35.3721 by changing the saturation by 10% instead.

47.6720, 23.9717,
35.3721

47.6720, 23.9717,
35.3721

368.0948,
272.6774, 341.1617

33.7774, 15.3126,
23.6638

85.9285, 49.9840,
69.2199

22.8847, 9.0391,
14.8745

111.0211, 68.1060,
92.1965

14.6286, 4.7667,
8.5857

140.5770, 90.1512,
119.7663

8.6438, 2.1110,
4.3789

174.9617,
116.5038, 152.3478

4.5648, 0.6708,
1.8354

214.5405,
147.5484, 190.3595

2.0264, 0.0000,
0.4512

259.6787,

0.6487, 0.0000,

183.6692, 234.2201

0.0000

310.7417,
225.2508, 284.3480

■ 0.0000, 0.0000,
0.0000

■ 47.6720, 23.9717,
35.3721

■ 47.6720, 23.9717,
35.3721

■ 47.3172, 23.6909,
33.9322

■ 49.0373, 25.2742,
40.2301

■ 51.0067, 27.6740,
45.6308

■ 53.6861, 31.3808,
51.6170

■ 57.1592, 36.5596,
58.2235

■ 61.4973, 43.3507,
65.4807

66.7633, 51.8780,
73.4164

73.0141, 62.2532,
82.0557

80.3020, 74.5785,
91.4225

88.6752, 88.9488,
101.5389

Harmonies

Analogous

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



41.4043, 23.9717, 78.1175



47.6720, 23.9717, 35.3721



45.8991, 23.9717, 10.7307

Triad

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



47.6720, 23.9717, 35.3721



16.4679, 23.9717, 1.0496



12.7268, 23.9717, 97.3423

Complementary

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



47.6720, 23.9717, 35.3721



38.3121, 72.5525, 24.8326

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.



9.1225, 23.9717, 51.7692



47.6720, 23.9717, 35.3721



10.7996, 23.9717, 4.5566

Square

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



47.6720, 23.9717, 35.3721



25.8258, 23.9717, 0.6986



8.5392, 23.9717, 18.6106



19.9917, 23.9717, 127.6778

Rectangle

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



47.6720, 23.9717, 35.3721



40.5663, 23.9717, 3.9788



8.5392, 23.9717, 18.6106



11.1477, 23.9717, 82.2031

Sweetspot

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



47.6727, 23.9731, 35.3725



71.5772, 59.8494, 80.1280



23.6990, 10.2620, 95.3394



14.7434, 11.8510, 16.3573



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.



47.6727, 23.9731, 35.3725



47.3172, 23.6909, 33.9322



41.6594, 21.5677, 3.7069



18.4792, 18.1750, 21.1404



24.7995, 12.4091, 18.1264



2.4681, 1.2296, 2.0463

Inverse Universe

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



47.6727, 23.9731, 35.3725



47.3172, 23.6909, 33.9322



49.6145, 77.0735, 84.3503



18.4792, 18.1750, 21.1404



24.7995, 12.4091, 18.1264



2.4681, 1.2296, 2.0463

Previews

White Background



This preview shows how the XYZ color 47.6720, 23.9717, 35.3721 looks on a white background.

Color Contrast Check

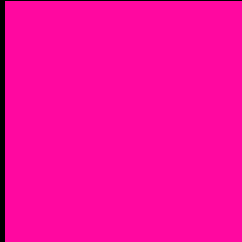
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.6720, 23.9717, 35.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

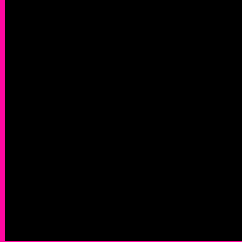
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.6720, 23.9717, 35.3721

Background



This preview shows how black text looks on a background with the XYZ color 47.6720, 23.9717, 35.3721.



This preview shows how white text looks on a background with the XYZ color 47.6720, 23.9717,

35.3721.

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

47.6720, 23.9717, 35.3721

Protanopia

27.0102, 24.5394, 77.4417

Deuteranopia

24.8314, 24.4232, 31.8392



Tritanopia

41.8837, 24.1999, 7.6178

Trichromacy



Original Color

47.6720, 23.9717, 35.3721



Protanomaly

27.4441, 17.9483, 59.1446



Deuteranomaly

28.6864, 19.1836, 32.3279



Tritanomaly

42.9846, 23.2307, 14.2750

Monochromacy



Original Color

47.6720, 23.9717, 35.3721



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

19.1097, 12.3448, 19.4648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6720, 23.9717, 35.3721 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(255, 8, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 8, 160)  
}
```

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(255, 8, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 8, 160) }
```

Border

The CSS property to change the border of an element to XYZ 47.6720, 23.9717, 35.3721 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(255, 8, 160) }
```


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

```
.border{ border-color:rgb(255, 8, 160) }
```

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

Here you see how a box with a 4 pixel rgb(255, 8, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 8, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 8, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 8,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6720, 23.9717, 35.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 8, 160) }
```

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

```
.background{ background-color: rgb(255, 8,  
160) }
```

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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