

# Converting Colors

XYZ(47.3799, 23.9124, 55.7347)

Have a look what the booklet for  
XYZ(47.3799, 23.9124, 55.7347)  
contains.

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# Color

**XYZ(47.2504, 23.8332,  
55.5360)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F21DC6
RGB	242, 29, 198
RGB Percent	95%, 11%, 78%
CMY	0.0510, 0.8862, 0.2235
CMYK	0.00, 0.88, 0.18, 0.05
HSL	312°, 89%, 53%
HSV	312°, 88%, 95%
XYZ	47.2504, 23.8332, 55.5360
YIQ	111.9530, 72.6990, 97.7150

# Conversions

## Conversions Part 2

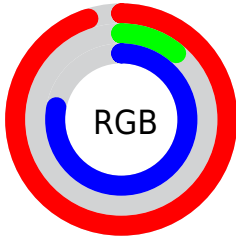
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 29, 198
Decimal	15867334
CIE <sub>Lab</sub>	55.92, 86.09, -35.80
CIE <sub>LCh</sub>	56, 93.233, 337.422
Yxy	23.8332, 0.3732, 0.1882
Android (android.graphics.Color)	4294057414 (0xFFFF21DC6)
YUV	111.9530, 42.4212, 114.0512
Hunter-Lab	48.8193, 87.3300, -33.2739

# Details

The XYZ color **47.2504, 23.8332, 55.5360** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **33.4630, 64.2476, 16.9446**, and the grayscale version is **15.2556, 16.0501, 17.4785**.

A 20% lighter version of the original color is **64.5477, 38.9954, 98.7326**, and **24.0901, 11.8374, 27.4007** is the 20% darker color. If you saturate the color by 10%, you get **46.2963, 22.8324, 52.4196**, and if you desaturate by 10%, it is **48.6810, 25.7557, 58.9055**.

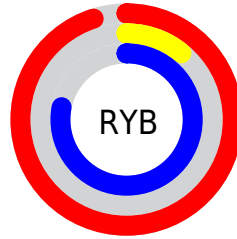
# Distribution



Red (95%)

Green (11%)

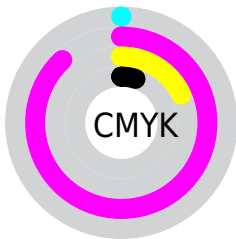
Blue (78%)



Red (95%)

Yellow (11%)

Blue (78%)

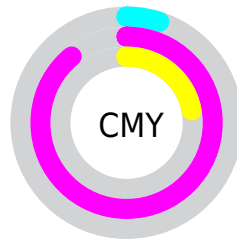


Cyan (0%)

Magenta (88%)

Yellow (18%)

Black (5%)



Cyan (5%)

Magenta (89%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2504, 23.8332, 55.5360 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 47.2504, 23.8332, 55.5360 by changing the saturation by 10% instead.




 47.2504, 23.8332,  
55.5360


 47.2504, 23.8332,  
55.5360

366.4454,  
271.9761, 425.2796

 33.4424, 15.2099,  
39.4295


 85.3037, 49.7579,  
99.8048


 22.6264, 8.9669,  
26.7836


 110.2798, 67.8281,  
128.8043


 14.4371, 4.7196,  
17.1798


 139.7093, 89.8160,  
162.9385

 8.5090, 2.0837,  
10.1995

 173.9576,  
116.1061, 202.6260

 4.4769, 0.6554,  
5.4241

 213.3899,  
147.0828, 248.2853

 1.9753, 0.0000,  
2.4351

258.3718,

 0.6200, 0.0000,

183.1304, 300.3350

0.8055

309.2685,  
224.6334, 359.1936

■ 0.0000, 0.0000,  
0.0000

■ 47.2504, 23.8332,  
55.5360

■ 47.2504, 23.8332,  
55.5360

■ 46.2963, 22.8324,  
52.4196

■ 48.6810, 25.7557,  
58.9055

■ 46.1332, 22.6834,  
51.8187

■ 50.6869, 28.7985,  
62.5615

■ 53.3427, 33.1101,  
66.5297

■ 56.7111, 38.8156,  
70.8321

■ 60.8472, 46.0248,  
75.4877

65.8006, 54.8368,  
80.5139

71.6167, 65.3420,  
85.9268

78.3374, 77.6241,  
91.7410

86.0020, 91.7614,  
97.9706

# Harmonies

## Analogous

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



37.4808, 23.8332, 105.7203



47.2504, 23.8332, 55.5360



49.5649, 23.8332, 19.0999

# Triad

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



47.2504, 23.8332, 55.5360



20.1139, 23.8332, 0.2771



9.9892, 23.8332, 80.2468

# Complementary

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



47.2504, 23.8332, 55.5360



33.4630, 64.2476, 16.9446

# 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.



7.8290, 23.8332, 34.2694



47.2504, 23.8332, 55.5360



12.3644, 23.8332, 1.6969

# Square

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



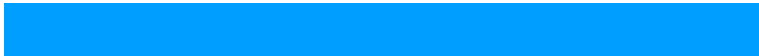
47.2504, 23.8332, 55.5360



31.4409, 23.8332, 0.7220



8.5364, 23.8332, 9.3399



15.6768, 23.8332, 126.2034



# Rectangle

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



47.2504, 23.8332, 55.5360



46.0687, 23.8332, 7.2502



8.5364, 23.8332, 9.3399



8.9230, 23.8332, 63.3190

# Sweetspot

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



47.2512, 23.8344, 55.5364



75.2956, 63.8952, 91.8209



19.1111, 8.6537, 84.6681



15.6646, 12.8658, 19.2160



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.



47.2512, 23.8344, 55.5364



51.9384, 25.5394, 58.2670



39.0302, 20.5460, 12.2450



16.3062, 15.9722, 19.1686



24.8341, 12.2061, 28.1065



2.1008, 1.0293, 2.5214



# Inverse Universe

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



47.2512, 23.8344, 55.5364



51.9384, 25.5394, 58.2670



40.3063, 66.9849, 52.9809



16.3062, 15.9722, 19.1686



24.8341, 12.2061, 28.1065



2.1008, 1.0293, 2.5214



# Previews

## White Background



This preview shows how the XYZ color 47.2504, 23.8332, 55.5360 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



## 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 47.2504, 23.8332, 55.5360**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2504, 23.8332, 55.5360.



This preview shows how white text looks on a background with the XYZ color 47.2504, 23.8332,



# 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

47.2504, 23.8332, 55.5360

### Protanopia

28.3463, 24.5764, 97.8575

### Deuteranopia

24.7217, 24.1718, 49.8170



## Tritanopia

37.9009, 23.7125, 11.3835

# Trichromacy



## Original Color

47.2504, 23.8332, 55.5360



## Protanomaly

27.9072, 18.6130, 79.9637



## Deuteranomaly

28.4907, 19.6887, 51.0139



## Tritanomaly

40.1455, 22.8104, 22.3656

# Monochromacy



## Original Color

47.2504, 23.8332, 55.5360



## Achromatopsia

15.4009, 16.2029, 17.6450



## Achromatomaly

22.2733, 15.3887, 27.7830

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2504, 23.8332, 55.5360 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(242, 29, 198)` looks like.

```
.text, #text, p{  
    color:rgb(242, 29, 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(242, 29, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 29, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2504, 23.8332, 55.5360 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(242, 29, 198) }
```



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

```
.border{ border-color:rgb(242, 29, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 29, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 29, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 29, 198);  
box-shadow:4px 4px 4px 4px rgb(242, 29,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2504, 23.8332, 55.5360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 29, 198) }
```

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

```
.background{ background-color: rgb(242, 29,  
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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