

Converting Colors

XYZ(37.5215, 21.1289, 54.0995)

Have a look what the booklet for
XYZ(37.5215, 21.1289, 54.0995)
contains.

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Color

**XYZ(37.6441, 21.1473,
54.3223)**

Conversions

Conversions Part 1

Format	Color
Hex	CF42C4
RGB	207, 66, 196
RGB Percent	81%, 26%, 77%
CMY	0.1882, 0.7412, 0.2314
CMYK	0.00, 0.68, 0.05, 0.19
HSL	305°, 59%, 54%
HSV	305°, 68%, 81%
XYZ	37.6441, 21.1473, 54.3223
YIQ	122.9790, 42.3060, 70.3220

Conversions

Conversions Part 2

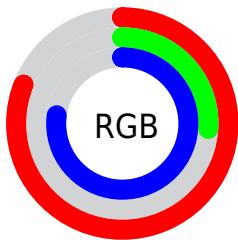
Format	Color
R _Y B	207, 66, 196
Decimal	13583044
CIE Lab	53.11, 69.30, -39.47
CIE LCh	53, 79.751, 330.337
Yxy	21.1473, 0.3328, 0.1870
Android (android.graphics.Color)	4291773124 (0xFFCF42C4)
YUV	122.9790, 35.9994, 73.6864
Hunter-Lab	45.9862, 65.6435, -37.8474

Details

The XYZ color **37.6441, 21.1473, 54.3223** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **25.9001, 46.3206, 14.5982**, and the grayscale version is **18.6963, 19.6699, 21.4205**.

A 20% lighter version of the original color is **66.3032, 43.0191, 97.7375**, and **17.2769, 8.3426, 26.2909** is the 20% darker color. If you saturate the color by 10%, you get **36.4635, 19.0782, 53.0268**, and if you desaturate by 10%, it is **39.2656, 24.0940, 55.7749**.

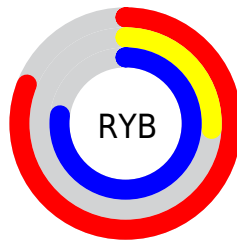
Distribution



Red (81%)

Green (26%)

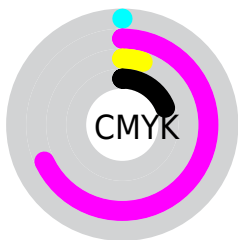
Blue (77%)



Red (81%)

Yellow (26%)

Blue (77%)

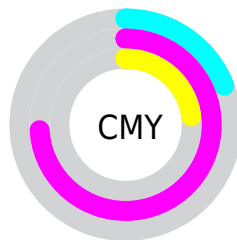


Cyan (0%)

Magenta (68%)

Yellow (5%)

Black (19%)



Cyan (19%)

Magenta (74%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6441, 21.1473, 54.3223 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 37.6441, 21.1473, 54.3223 by changing the saturation by 10% instead.

 37.6441, 21.1473,
54.3223


 37.6441, 21.1473,
54.3223


327.3981,
258.0603, 420.5472

 25.8825, 13.2317,
38.4645


 70.8697, 45.3326,
98.0085


 16.8680, 7.5883,
26.0387


 93.0645, 62.3710,
126.6739


 10.2351, 3.8327,
16.6266


 119.4677, 83.2192,
160.4456

 5.6186, 1.5804,
9.8095

 150.4448,
108.2616, 199.7421

 2.6530, 0.3443,
5.1689

 186.3610,
137.8825, 244.9820

 0.9731, 0.0000,
2.2862

227.5817,

 0.0000, 0.0000,

172.4663, 296.5838

0.7235

274.4723,
212.3974, 354.9660

■ 0.0000, 0.0000,
0.0000

■ 37.6441, 21.1473,
54.3223

■ 37.6441, 21.1473,
54.3223

■ 36.4635, 19.0782,
53.0268

■ 39.2656, 24.0940,
55.7749

■ 35.6717, 17.7841,
51.8704

■ 41.3682, 28.0002,
57.3975

■ 35.1959, 17.1188,
50.8291

■ 43.9900, 32.9416,
59.2030

■ 35.1199, 17.0206,
50.6382

■ 47.1647, 38.9856,
61.2026

■ 50.9231, 46.1938,
63.4067

■ 55.2938, 54.6235,
65.8248

■ 60.3036, 64.3280,
68.4659

■ 65.9775, 75.3576,
71.3383

■ 72.3393, 87.7596,
74.4500

Harmonies

Analogous

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



29.4059, 21.1473, 90.4165



37.6441, 21.1473, 54.3223



40.9504, 21.1473, 22.7549

Triad

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



37.6441, 21.1473, 54.3223



20.0051, 21.1473, 0.8264



9.1384, 21.1473, 55.1613

Complementary

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



37.6441, 21.1473, 54.3223



25.9001, 46.3206, 14.5982

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.



7.8929, 21.1473, 23.2988



37.6441, 21.1473, 54.3223



12.9990, 21.1473, 1.7347

Square

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



37.6441, 21.1473, 54.3223



29.1945, 21.1473, 1.6867



9.0824, 21.1473, 6.8871



13.1223, 21.1473, 91.0951

Rectangle

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



37.6441, 21.1473, 54.3223



39.3548, 21.1473, 10.4056



9.0824, 21.1473, 6.8871



8.4447, 21.1473, 43.1212

Sweetspot

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



37.6449, 21.1483, 54.3227



80.2487, 71.4121, 100.8384



16.1447, 9.9145, 60.0949



16.8014, 14.5650, 21.3655



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.



37.6449, 21.1483, 54.3227



57.7467, 29.4196, 84.0530



31.5186, 18.6978, 22.0621



12.2693, 11.9925, 14.6942



22.1430, 10.7300, 31.9888



1.2502, 0.6048, 1.8523

Inverse Universe

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



37.6449, 21.1483, 54.3227



57.7467, 29.4196, 84.0530



29.7411, 47.8570, 34.8246



12.2693, 11.9925, 14.6942



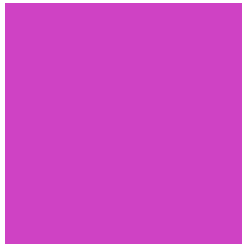
22.1430, 10.7300, 31.9888



1.2502, 0.6048, 1.8523

Previews

White Background



This preview shows how the XYZ color 37.6441, 21.1473, 54.3223 looks on a white background.

Color Contrast Check

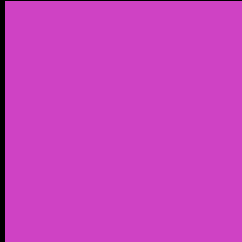
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.6441, 21.1473, 54.3223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

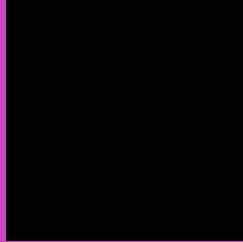
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.6441, 21.1473, 54.3223

Background



This preview shows how black text looks on a background with the XYZ color 37.6441, 21.1473, 54.3223.



This preview shows how white text looks on a background with the XYZ color 37.6441, 21.1473,

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

37.6441, 21.1473, 54.3223

Protanopia

25.4944, 21.7001, 91.6518

Deuteranopia

21.9100, 21.3343, 49.9769



Tritanopia

29.5164, 21.0140, 15.0708

Trichromacy



Original Color

37.6441, 21.1473, 54.3223



Protanomaly

25.2009, 18.4111, 76.3542



Deuteranomaly

25.0598, 19.1938, 51.0992



Tritanomaly

31.7017, 20.5357, 25.5855

Monochromacy



Original Color

37.6441, 21.1473, 54.3223



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

23.5828, 18.5748, 31.1965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6441, 21.1473, 54.3223 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(207, 66, 196)` looks like.

```
.text, #text, p{  
    color:rgb(207, 66, 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(207, 66, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 66, 196) }
```

Border

The CSS property to change the border of an element to XYZ 37.6441, 21.1473, 54.3223 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(207, 66, 196) }
```


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

```
.border{ border-color:rgb(207, 66, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 66, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 66, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 66, 196);  
box-shadow:4px 4px 4px 4px rgb(207, 66,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6441, 21.1473, 54.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 66, 196) }
```

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

```
.background{ background-color: rgb(207, 66,  
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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