

Converting Colors

XYZ(37.6954, 21.0454, 35.9503)

Have a look what the booklet for
XYZ(37.6954, 21.0454, 35.9503)
contains.

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Color

**XYZ(37.5641, 21.0206,
35.7957)**

Conversions

Conversions Part 1

Format	Color
Hex	DC3CA1
RGB	220, 60, 161
RGB Percent	86%, 24%, 63%
CMY	0.1373, 0.7647, 0.3686
CMYK	0.00, 0.73, 0.27, 0.14
HSL	322°, 70%, 55%
HSV	322°, 73%, 86%
XYZ	37.5641, 21.0206, 35.7957
YIQ	119.3540, 62.9390, 65.3310

Conversions

Conversions Part 2

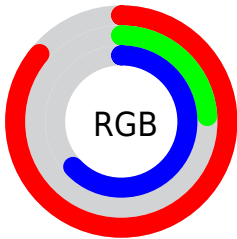
Format	Color
R_{YB}	220, 60, 161
Decimal	14433441
CIE _{Lab}	52.97, 69.64, -19.12
CIE _{LCh}	53, 72.212, 344.649
Yxy	21.0206, 0.3980, 0.2227
Android (android.graphics.Color)	4292623521 (0xFFDC3CA1)
YUV	119.3540, 20.5315, 88.2665
Hunter-Lab	45.8482, 66.0132, -14.1965

Details

The XYZ color **37.5641, 21.0206, 35.7957** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **30.7878, 53.4797, 26.1559**, and the grayscale version is **17.5711, 18.4862, 20.1314**.

A 20% lighter version of the original color is **60.4720, 39.8926, 69.4786**, and **17.4583, 8.6812, 15.2235** is the 20% darker color. If you saturate the color by 10%, you get **35.9492, 18.8988, 31.8413**, and if you desaturate by 10%, it is **39.7055, 24.1207, 40.1550**.

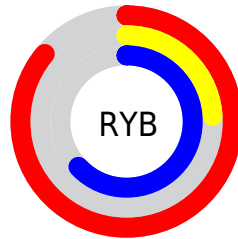
Distribution



Red (86%)

Green (24%)

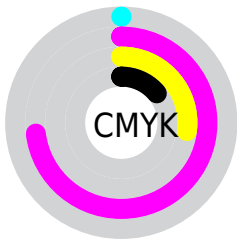
Blue (63%)



Red (86%)

Yellow (24%)

Blue (63%)

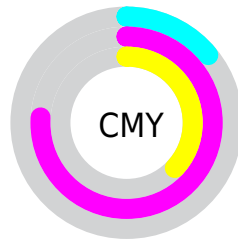


Cyan (0%)

Magenta (73%)

Yellow (27%)

Black (14%)



Cyan (14%)


Magenta (76%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5641, 21.0206, 35.7957 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 37.5641, 21.0206, 35.7957 by changing the saturation by 10% instead.

 37.5641, 21.0206,
35.7957


 37.5641, 21.0206,
35.7957


327.0596,
257.3880, 343.0771


 25.8202, 13.1391,
23.9880


 70.7477, 45.1218,
69.8821


 16.8212, 7.5244,
15.1126


 92.9182, 62.1103,
92.9979


 10.2016, 3.7921,
8.7510


 119.2949, 82.9032,
120.7202

 5.5961, 1.5580,
4.4845

 150.2433,
107.8849, 153.4674

 2.6394, 0.3290,
1.8947

 186.1285,
137.4398, 191.6582

 0.9661, 0.0000,
0.4894

227.3161,

 0.0000, 0.0000,

171.9524, 235.7110

0.0000

274.1714,
211.8070, 286.0445

■ 37.5641, 21.0206,
35.7957

■ 37.5641, 21.0206,
35.7957

■ 35.9492, 18.8988,
31.8413

■ 39.7055, 24.1207,
40.1550

■ 34.7942, 17.6240,
28.2648


■ 42.4251, 28.3017,
44.9401


■ 34.1660, 17.0760,
25.8717


■ 45.7703, 33.6572,
50.1711


■ 49.7830, 40.2692,
55.8660

■ 54.5012, 48.2127,
62.0412

 59.9600, 57.5567,
68.7122

 66.1921, 68.3651,
75.8938

 73.2281, 80.6984,
83.5996

 80.1291, 92.6772,
91.5203

Harmonies

Analogous

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



32.0567, 21.0206, 67.2114



37.5641, 21.0206, 35.7957



37.6345, 21.0206, 13.8797

Triad

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



37.5641, 21.0206, 35.7957



16.5191, 21.0206, 1.6064



11.3086, 21.0206, 66.4730

Complementary

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



37.5641, 21.0206, 35.7957



30.7878, 53.4797, 26.1559

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.



8.9447, 21.0206, 35.1346



37.5641, 21.0206, 35.7957



11.3952, 21.0206, 4.1940

Square

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



37.5641, 21.0206, 35.7957



24.0868, 21.0206, 1.6290



8.9717, 21.0206, 13.5290



16.3677, 21.0206, 91.2363

Rectangle

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



37.5641, 21.0206, 35.7957



34.5090, 21.0206, 6.4245



8.9717, 21.0206, 13.5290



10.2364, 21.0206, 55.7198

Sweetspot

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



37.5648, 21.0217, 35.7961



76.5366, 68.0193, 87.1721



22.0977, 12.2990, 68.9197



15.9713, 13.8625, 18.1367



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.



37.5648, 21.0217, 35.7961



49.3490, 25.3805, 41.9284



32.6298, 19.0477, 9.8088



13.4001, 13.1891, 15.3681



20.1070, 10.0439, 15.4756



1.3437, 0.6671, 1.2186

Inverse Universe

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



37.5648, 21.0217, 35.7961



49.3490, 25.3805, 41.9284



37.7277, 56.2557, 62.7011



13.4001, 13.1891, 15.3681



20.1070, 10.0439, 15.4756



1.3437, 0.6671, 1.2186

Previews

White Background



This preview shows how the XYZ color 37.5641, 21.0206, 35.7957 looks on a white background.

Color Contrast Check

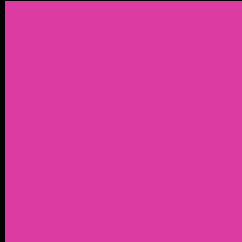
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.5641, 21.0206, 35.7957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

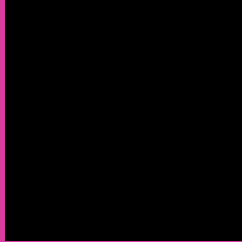
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.5641, 21.0206, 35.7957

Background



This preview shows how black text looks on a background with the XYZ color 37.5641, 21.0206, 35.7957.



This preview shows how white text looks on a background with the XYZ color 37.5641, 21.0206,

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

37.5641, 21.0206, 35.7957

Protanopia

23.2305, 21.3459, 63.2174

Deuteranopia

21.6275, 21.1943, 32.6568



Tritanopia

32.4691, 21.0188, 11.3626

Trichromacy



Original Color

37.5641, 21.0206, 35.7957



Protanomaly

24.8156, 18.6021, 52.1518



Deuteranomaly

25.2680, 19.2510, 33.3944



Tritanomaly

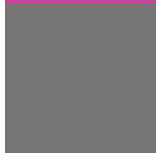
33.8049, 20.7114, 18.1356

Monochromacy



Original Color

37.5641, 21.0206, 35.7957



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

22.3811, 17.5245, 24.7572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5641, 21.0206, 35.7957 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(220, 60, 161)` looks like.

```
.text, #text, p{  
    color:rgb(220, 60, 161)  
}
```

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(220, 60, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 60, 161) }
```

Border

The CSS property to change the border of an element to XYZ 37.5641, 21.0206, 35.7957 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(220, 60, 161) }
```


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

```
.border{ border-color:rgb(220, 60, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 60, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 60, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 60, 161);  
box-shadow:4px 4px 4px 4px rgb(220, 60,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5641, 21.0206, 35.7957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 60, 161) }
```

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

```
.background{ background-color: rgb(220, 60,  
161) }
```

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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