

Converting Colors

XYZ(37.7843, 25.6851, 55.2298)

Have a look what the booklet for
XYZ(37.7843, 25.6851, 55.2298)
contains.

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Color

**XYZ(37.6791, 25.6219,
55.1842)**

Conversions

Conversions Part 1

Format	Color
Hex	C468C4
RGB	196, 104, 196
RGB Percent	77%, 41%, 77%
CMY	0.2314, 0.5921, 0.2314
CMYK	0.00, 0.47, 0.00, 0.23
HSL	300°, 44%, 59%
HSV	300°, 47%, 77%
XYZ	37.6791, 25.6219, 55.1842
YIQ	141.9960, 25.3000, 48.1160

Conversions

Conversions Part 2

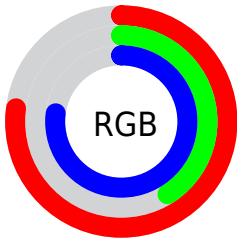
Format	Color
R_{YB}	196, 104, 196
Decimal	12871876
CIE _{Lab}	57.68, 49.73, -32.43
CIE _{LCh}	58, 59.372, 326.891
Yxy	25.6219, 0.3180, 0.2162
Android (android.graphics.Color)	4291061956 (0xFFC468C4)
YUV	141.9960, 26.6240, 47.3615
Hunter-Lab	50.6181, 44.2902, -29.2057

Details

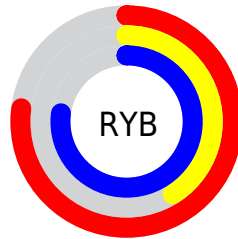
The XYZ color **37.6791, 25.6219, 55.1842** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **27.9487, 43.4234, 20.0066**, and the grayscale version is **25.6015, 26.9347, 29.3319**.

A 20% lighter version of the original color is **70.8295, 52.6164, 99.3514**, and **16.8815, 9.8961, 26.6116** is the 20% darker color. If you saturate the color by 10%, you get **35.9310, 22.1251, 54.6016**, and if you desaturate by 10%, it is **39.8874, 30.0379, 55.9206**.

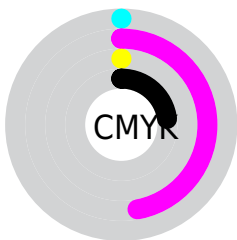
Distribution



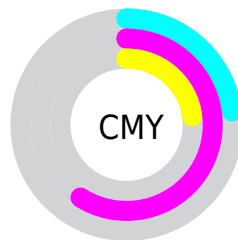
- Red (77%)
- Green (41%)
- Blue (77%)



- Red (77%)
- Yellow (41%)
- Blue (77%)



- Cyan (0%)
- Magenta (47%)
- Yellow (0%)
- Black (23%)





- Cyan (23%)
- Magenta (59%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6791, 25.6219, 55.1842 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 37.6791, 25.6219, 55.1842 by changing the saturation by 10% instead.

 37.6791, 25.6219,
55.1842


 37.6791, 25.6219,
55.1842

327.5461,
280.9210, 423.9114

 25.9098, 16.5410,
39.1496


 70.9231, 52.6643,
99.2846


 16.8885, 9.9078,
26.5674


 93.1285, 71.3947,
128.1876

 10.2498, 5.3379,
17.0190


 119.5433, 94.1103,
162.2171

 5.6285, 2.4468,
10.0860

 150.5329,
121.1955, 201.7916

 2.6590, 0.8498,
5.3496

186.4626,
153.0348, 247.3298

 0.9761, 0.0000,
2.3915

227.6978,

 0.0000, 0.0000,

190.0126, 299.2501

0.7818

274.6039,
232.5132, 357.9711

■ 0.0000, 0.0000,
0.0000

■ 37.6791, 25.6219,
55.1842

■ 37.6791, 25.6219,
55.1842

■ 35.9310, 22.1251,
54.6016

■ 39.8874, 30.0379,
55.9206

■ 34.6082, 19.4796,
54.1606

■ 42.5825, 35.4280,
56.8191

■ 33.6753, 17.6139,
53.8496

■ 45.7919, 41.8467,
57.8890

■ 33.0898, 16.4428,
53.6543

■ 49.5403, 49.3436,
59.1386

■ 32.7943, 15.8518,
53.5557

■ 53.8511, 57.9651,
60.5756

■ 32.7291, 15.7215,
53.5339

■ 58.7459, 67.7547,
62.2073

■ 64.2455, 78.7539,
64.0406

■ 68.4894, 87.2416,
65.4553

■ 68.4894, 87.2416,
65.4554

Harmonies

Analogous

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



31.0678, 25.6219, 79.3490



37.6791, 25.6219, 55.1842



40.6960, 25.6219, 30.0734

Triad

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



37.6791, 25.6219, 55.1842



25.1011, 25.6219, 4.2314



14.0894, 25.6219, 49.5947

Complementary

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



37.6791, 25.6219, 55.1842



27.9487, 43.4234, 20.0066

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.



13.1019, 25.6219, 25.8299



37.6791, 25.6219, 55.1842



18.6827, 25.6219, 5.5324

Square

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



37.6791, 25.6219, 55.1842



32.6014, 25.6219, 6.2856



14.6100, 25.6219, 11.5216



17.6280, 25.6219, 75.1664

Rectangle

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



37.6791, 25.6219, 55.1842



39.8997, 25.6219, 18.0056



14.6100, 25.6219, 11.5216



13.4820, 25.6219, 40.8773

Sweetspot

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



37.6800, 25.6230, 55.1847



84.6998, 79.2997, 105.4497



20.6242, 16.8304, 54.3870



17.8265, 16.3679, 22.4697



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.



37.6800, 25.6230, 55.1847



65.1061, 40.1124, 98.9177



33.2214, 23.8396, 31.7060



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3974



0.9086, 0.4365, 1.4862

Inverse Universe

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



37.6800, 25.6230, 55.1847



65.1061, 40.1124, 98.9177



30.9550, 44.6259, 35.8376



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3974



0.9086, 0.4365, 1.4862

Previews

White Background



This preview shows how the XYZ color 37.6791, 25.6219, 55.1842 looks on a white background.

Color Contrast Check

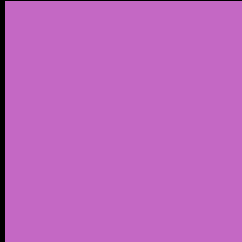
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.6791, 25.6219, 55.1842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

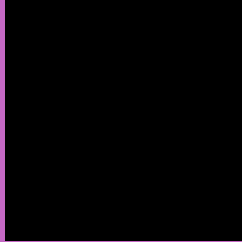
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.6791, 25.6219, 55.1842

Background



This preview shows how black text looks on a background with the XYZ color 37.6791, 25.6219, 55.1842.



This preview shows how white text looks on a background with the XYZ color 37.6791, 25.6219,

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

37.6791, 25.6219, 55.1842

Protanopia

28.0673, 26.0002, 73.3513

Deuteranopia

26.4083, 25.8200, 52.3071



Tritanopia

31.4180, 25.7093, 24.0754

Trichromacy



Original Color

37.6791, 25.6219, 55.1842



Protanomaly

29.8654, 24.7084, 66.1459



Deuteranomaly

29.4257, 24.9570, 53.1355



Tritanomaly

33.2529, 25.4109, 33.2892

Monochromacy



Original Color

37.6791, 25.6219, 55.1842



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

29.1411, 25.7284, 37.6126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6791, 25.6219, 55.1842 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, 104, 196)` looks like.

```
.text, #text, p{  
    color:rgb(196, 104, 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, 104, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 104, 196) }
```

Border

The CSS property to change the border of an element to XYZ 37.6791, 25.6219, 55.1842 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, 104, 196) }
```


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

```
.border{ border-color:rgb(196, 104, 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, 104, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 104, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 104, 196);  
box-shadow:4px 4px 4px 4px rgb(196, 104,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6791, 25.6219, 55.1842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 104, 196) }
```

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

```
.background{ background-color: rgb(196,  
104, 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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