

Converting Colors

XYZ(37.7760, 20.5267, 50.1760)

Have a look what the booklet for
XYZ(37.7760, 20.5267, 50.1760)
contains.

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Color

**XYZ(37.7509, 20.4995,
50.1112)**

Conversions

Conversions Part 1

Format	Color
Hex	D438BD
RGB	212, 56, 189
RGB Percent	83%, 22%, 74%
CMY	0.1686, 0.7804, 0.2588
CMYK	0.00, 0.74, 0.11, 0.17
HSL	309°, 64%, 53%
HSV	309°, 74%, 83%
XYZ	37.7509, 20.4995, 50.1112
YIQ	117.8060, 50.2830, 74.4350

Conversions

Conversions Part 2

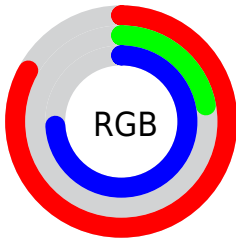
Format	Color
R _Y B	212, 56, 189
Decimal	13908157
CIE Lab	52.40, 72.72, -36.49
CIE LCh	52, 81.361, 333.354
Yxy	20.4995, 0.3484, 0.1892
Android (android.graphics.Color)	4292098237 (0xFFD438BD)
YUV	117.8060, 35.0986, 82.6081
Hunter-Lab	45.2764, 69.5975, -33.9278

Details

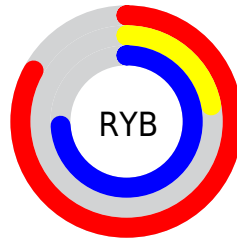
The XYZ color **37.7509, 20.4995, 50.1112** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted rose. A complement of this color would be **26.5867, 48.4932, 15.3577**, and the grayscale version is **17.0434, 17.9310, 19.5268**.

A 20% lighter version of the original color is **64.3530, 40.8707, 91.6858**, and **17.5100, 8.5216, 23.6436** is the 20% darker color. If you saturate the color by 10%, you get **36.5967, 18.7279, 48.0704**, and if you desaturate by 10%, it is **39.3486, 23.1455, 52.3362**.

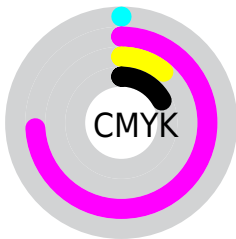
Distribution



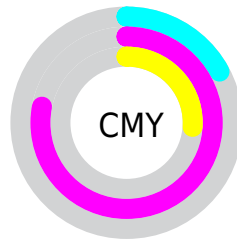
- Red (83%)
- Green (22%)
- Blue (74%)



- Red (83%)
- Yellow (22%)
- Blue (74%)



- Cyan (0%)
- Magenta (74%)
- Yellow (11%)
- Black (17%)





- Cyan (17%)
- Magenta (78%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7509, 20.4995, 50.1112 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 37.7509, 20.4995, 50.1112 by changing the saturation by 10% instead.

 37.7509, 20.4995,
50.1112


 37.7509, 20.4995,
50.1112


327.8496,
254.6065, 403.8482

 25.9657, 12.7587,
35.1300


 71.0325, 44.2531,
91.7376


 16.9306, 7.2626,
23.4786


 93.2597, 61.0346,
119.2199


 10.2800, 3.6268,
14.7387


 119.6983, 81.5984,
151.7062

 5.6487, 1.4671,
8.4916

 150.7136,
106.3290, 189.6152

 2.6713, 0.2654,
4.3189

 186.6711,
135.6107, 233.3653

 0.9824, 0.0000,
1.8019

227.9360,

 0.0000, 0.0000,

169.8279, 283.3752

0.4292

274.8737,
209.3651, 340.0633

■ 0.0000, 0.0000,
0.0000

■ 37.7509, 20.4995,
50.1112

■ 37.7509, 20.4995,
50.1112

■ 36.5967, 18.7279,
48.0704

■ 39.3486, 23.1455,
52.3362

■ 35.8246, 17.7093,
46.1927

■ 41.4366, 26.7608,
54.7608

■ 35.4658, 17.3228,
45.0518

■ 44.0579, 31.4309,
57.3997

■ 47.2504, 37.2314,
60.2657

■ 51.0484, 44.2309,
63.3705

■ 55.4834, 52.4925,
66.7249

■ 60.5850, 62.0748,
70.3388

■ 66.3805, 73.0330,
74.2216

■ 72.8959, 85.4188,
78.3822

Harmonies

Analogous

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



29.7671, 20.4995, 87.4198



37.7509, 20.4995, 50.1112



40.4316, 20.4995, 19.7251

Triad

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



37.7509, 20.4995, 50.1112



18.5555, 20.4995, 0.6375



8.8773, 20.4995, 58.5745

Complementary

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



37.7509, 20.4995, 50.1112



26.5867, 48.4932, 15.3577

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.



7.4097, 20.4995, 25.1340



37.7509, 20.4995, 50.1112



11.8927, 20.4995, 1.6979

Square

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



37.7509, 20.4995, 50.1112



27.6509, 20.4995, 1.2574



8.3301, 20.4995, 7.3512



13.1082, 20.4995, 94.3093

Rectangle

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



37.7509, 20.4995, 50.1112



38.3628, 20.4995, 8.5589



8.3301, 20.4995, 7.3512



8.1099, 20.4995, 46.0995

Sweetspot

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



37.7516, 20.5005, 50.1116



78.3870, 68.7595, 96.9164



16.3434, 9.1524, 63.1933



16.4119, 14.0387, 20.4566



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.



37.7516, 20.5005, 50.1116



54.8927, 27.4885, 71.4586



31.5585, 18.0232, 17.4991



12.8706, 12.5998, 15.2590



21.9237, 10.7058, 27.9660



1.3443, 0.6545, 1.8023

Inverse Universe

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



37.7516, 20.5005, 50.1116



54.8927, 27.4885, 71.4586



31.0750, 50.2885, 38.9928



12.8706, 12.5998, 15.2590



21.9237, 10.7058, 27.9660



1.3443, 0.6545, 1.8023

Previews

White Background



This preview shows how the XYZ color 37.7509, 20.4995, 50.1112 looks on a white background.

Color Contrast Check

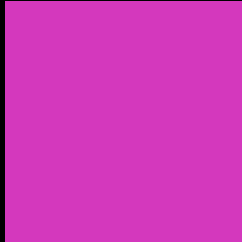
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7509, 20.4995, 50.1112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

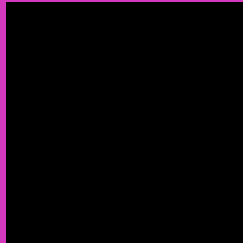
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.7509, 20.4995, 50.1112

Background



This preview shows how black text looks on a background with the XYZ color 37.7509, 20.4995, 50.1112.



This preview shows how white text looks on a background with the XYZ color 37.7509, 20.4995,

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

37.7509, 20.4995, 50.1112

Protanopia

24.7385, 20.9815, 89.9348

Deuteranopia

21.1700, 20.6732, 45.5224



Tritanopia

30.1387, 20.4841, 12.9550

Trichromacy



Original Color

37.7509, 20.4995, 50.1112



Protanomaly

24.0496, 17.1738, 73.2815



Deuteranomaly

24.5107, 18.2719, 47.0347



Tritanomaly

32.0005, 19.8757, 22.9187

Monochromacy



Original Color

37.7509, 20.4995, 50.1112



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

22.0751, 16.8734, 28.4790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7509, 20.4995, 50.1112 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(212, 56, 189)` looks like.

```
.text, #text, p{  
    color:rgb(212, 56, 189)  
}
```

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(212, 56, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 56, 189) }
```

Border

The CSS property to change the border of an element to XYZ 37.7509, 20.4995, 50.1112 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(212, 56, 189) }
```


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

```
.border{ border-color:rgb(212, 56, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 56, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 56, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 56, 189);  
box-shadow:4px 4px 4px 4px rgb(212, 56,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7509, 20.4995, 50.1112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 56, 189) }
```

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

```
.background{ background-color: rgb(212, 56,  
189) }
```

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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