

# Converting Colors

XYZ(39.6553, 20.3548, 61.4118)

Have a look what the booklet for  
XYZ(39.6553, 20.3548, 61.4118)  
contains.

<b>XYZ(39.6537, 20.3561, 61.5137)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(39.6537, 20.3561,  
61.5137)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D52AD0
RGB	213, 42, 208
RGB Percent	84%, 16%, 82%
CMY	0.1647, 0.8353, 0.1843
CMYK	0.00, 0.80, 0.02, 0.16
HSL	302°, 67%, 50%
HSV	302°, 80%, 84%
XYZ	39.6537, 20.3561, 61.5137
YIQ	112.0530, 48.6300, 87.8780

# Conversions

## Conversions Part 2

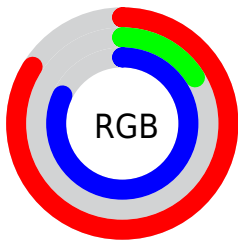
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	213, 42, 208
Decimal	13970128
CIE <sub>Lab</sub>	52.24, 79.48, -47.69
CIE <sub>LCh</sub>	52, 92.690, 329.039
Yxy	20.3561, 0.3263, 0.1675
Android (android.graphics.Color)	4292160208 (0xFFD52AD0)
YUV	112.0530, 47.3019, 88.5305
Hunter-Lab	45.1177, 77.9265, -49.2538

# Details

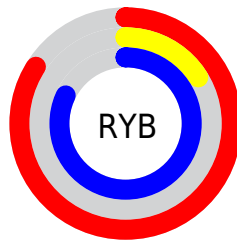
The XYZ color **39.6537, 20.3561, 61.5137** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **25.2631, 48.2869, 10.6793**, and the grayscale version is **15.2740, 16.0694, 17.4996**.

A 20% lighter version of the original color is **64.8659, 39.6319, 98.8386**, and **19.0762, 9.1699, 30.9015** is the 20% darker color. If you saturate the color by 10%, you get **39.0125, 19.1955, 60.9227**, and if you desaturate by 10%, it is **40.6977, 22.3206, 62.2407**.

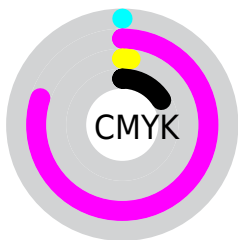
# Distribution



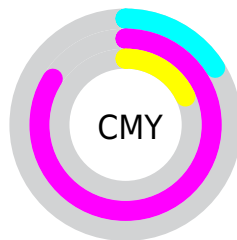
- Red (84%)
- Green (16%)
- Blue (82%)



- Red (84%)
- Yellow (16%)
- Blue (82%)



- Cyan (0%)
- Magenta (80%)
- Yellow (2%)
- Black (16%)



- Cyan (16%)
- Magenta (84%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6537, 20.3561, 61.5137 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 39.6537, 20.3561, 61.5137 by changing the saturation by 10% instead.



39.6537, 20.3561,  
61.5137

39.6537, 20.3561,  
61.5137

335.8213,  
253.8364, 448.1136

27.4516, 12.6542,  
44.2066

73.9236, 44.0134,  
108.5871

18.0511, 7.1908,  
30.4946

96.7221, 60.7376,  
139.1906

11.0866, 3.5817,  
19.9591

123.7836, 81.2379,  
175.0633

6.1928, 1.4425,  
12.1815

155.4732,  
105.8989, 216.6237

3.0044, 0.2477,  
6.7434

192.1565,  
135.1048, 264.2904

1.1561, 0.0000,  
3.2261

234.1987,

0.0713, 0.0000,

169.2401, 318.4819

1.2112

281.9652,  
208.6892, 379.6168

■ 0.0000, 0.0000,  
0.0000

■ 39.6537, 20.3561,  
61.5137

■ 39.6537, 20.3561,  
61.5137

■ 39.0125, 19.1955,  
60.9227

■ 40.6977, 22.3206,  
62.2407


■ 38.6756, 18.6402,  
60.4448


■ 42.1980, 25.1978,  
63.1212


■ 44.2023, 29.0826,  
64.1712


■ 46.7518, 34.0572,  
65.4044

■ 49.8835, 40.1956,  
66.8332

 53.6309, 47.5651,  
68.4686

 58.0252, 56.2280,  
70.3213

 63.0955, 66.2423,  
72.4007

 68.8690, 77.6626,  
74.7161

# Harmonies

## Analogous

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



29.6540, 20.3561, 106.7555



39.6537, 20.3561, 61.5137



44.0049, 20.3561, 23.0549

# Triad

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



39.6537, 20.3561, 61.5137



19.6564, 20.3561, 0.0000



7.3572, 20.3561, 58.5561

# Complementary

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



39.6537, 20.3561, 61.5137



25.2631, 48.2869, 10.6793

# 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.



6.2163, 20.3561, 21.2970



39.6537, 20.3561, 61.5137



11.7580, 20.3561, 0.6311

# Square

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



39.6537, 20.3561, 61.5137



30.3662, 20.3561, 0.7398



7.5194, 20.3561, 4.6615



11.3808, 20.3561, 104.2685



# Rectangle

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



39.6537, 20.3561, 61.5137



42.3013, 20.3561, 9.0913



7.5194, 20.3561, 4.6615



6.6963, 20.3561, 44.0209

# Sweetspot

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



39.6545, 20.3571, 61.5141



78.2504, 66.8599, 101.8851



13.9148, 7.0155, 63.5724



16.3206, 13.4689, 21.6202



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.



39.6545, 20.3571, 61.5141



58.2693, 28.2488, 91.0587



31.9490, 17.2748, 20.9374



12.9366, 12.6261, 15.6064



23.6314, 11.3889, 36.9586



1.4304, 0.6889, 2.2558



# Inverse Universe

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



39.6545, 20.3571, 61.5141



58.2693, 28.2488, 91.0587



28.8030, 49.7029, 29.3200



12.9366, 12.6261, 15.6064



23.6314, 11.3889, 36.9586



1.4304, 0.6889, 2.2558



# Previews

## White Background



This preview shows how the XYZ color 39.6537, 20.3561, 61.5137 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

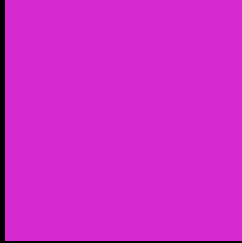
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 39.6537, 20.3561, 61.5137 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

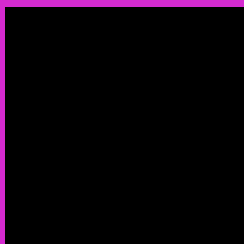
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.6537, 20.3561, 61.5137**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6537, 20.3561, 61.5137.



This preview shows how white text looks on a background with the XYZ color 39.6537, 20.3561,



# 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

39.6537, 20.3561, 61.5137

### Protanopia

25.1185, 21.0139, 97.3399

### Deuteranopia

21.2279, 20.6790, 55.0972



## Tritanopia

29.7253, 20.3885, 13.1951

# Trichromacy



## Original Color

39.6537, 20.3561, 61.5137



## Protanomaly

23.2843, 15.9020, 82.7311



## Deuteranomaly

24.1904, 17.3411, 56.7158



## Tritanomaly

31.9381, 19.3914, 25.3521

# Monochromacy



## Original Color

39.6537, 20.3561, 61.5137



## Achromatopsia

15.4009, 16.2029, 17.6450



## Achromatomaly

21.0691, 15.3125, 29.4489

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6537, 20.3561, 61.5137 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(213, 42, 208)` looks like.

```
.text, #text, p{  
    color:rgb(213, 42, 208)  
}
```

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(213, 42, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 42, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6537, 20.3561, 61.5137 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(213, 42, 208) }
```



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

```
.border{ border-color:rgb(213, 42, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 42, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 42, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 42, 208);  
box-shadow:4px 4px 4px 4px rgb(213, 42,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6537, 20.3561, 61.5137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 42, 208) }
```

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

```
.background{ background-color: rgb(213, 42,  
208) }
```

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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