

Converting Colors

XYZ(12.6694, 5.7214, 57.5656)

Have a look what the booklet for
XYZ(12.6694, 5.7214, 57.5656)
contains.

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Color

**XYZ(12.6737, 5.7293,
57.5646)**

Conversions

Conversions Part 1

Format	Color
Hex	3517CC
RGB	53, 23, 204
RGB Percent	21%, 9%, 80%
CMY	0.7921, 0.9098, 0.2000
CMYK	0.74, 0.89, 0.00, 0.20
HSL	250°, 80%, 45%
HSV	250°, 89%, 80%
XYZ	12.6737, 5.7293, 57.5646
YIQ	52.6040, -40.2210, 62.6510

Conversions

Conversions Part 2

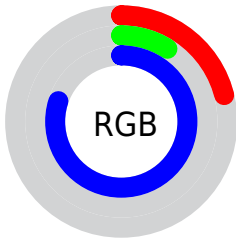
Format	Color
R_{YB}	53, 23, 204
Decimal	3479500
CIE _{Lab}	28.72, 62.69, -84.62
CIE _{LCh}	29, 105.308, 306.532
Yxy	5.7293, 0.1668, 0.0754
Android (android.graphics.Color)	4281669580 (0xFF3517CC)
YUV	52.6040, 74.6382, 0.3473
Hunter-Lab	23.9360, 52.6249, -125.8339

Details

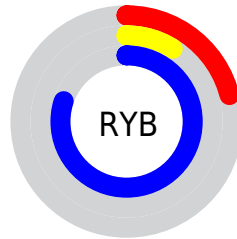
The XYZ color **12.6737, 5.7293, 57.5646** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **39.1989, 52.2442, 8.8284**, and the grayscale version is **3.2532, 3.4227, 3.7273**.

A 20% lighter version of the original color is **29.0161, 16.8128, 96.3236**, and **5.3453, 2.1381, 28.1479** is the 20% darker color. If you saturate the color by 10%, you get **11.6546, 4.7909, 57.4374**, and if you desaturate by 10%, it is **14.3052, 7.4192, 57.8050**.

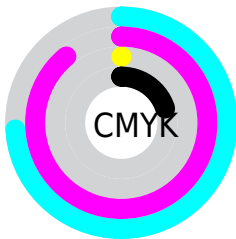
Distribution



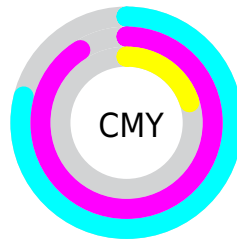
- Red (21%)
- Green (9%)
- Blue (80%)



- Red (21%)
- Yellow (9%)
- Blue (80%)



- Cyan (74%)
- Magenta (89%)
- Yellow (0%)
- Black (20%)



- Cyan (79%)
- Magenta (91%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6737, 5.7293, 57.5646 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 12.6737, 5.7293, 57.5646 by changing the saturation by 10% instead.

■ 12.6737, 5.7293,
57.5646

■ 12.6737, 5.7293,
57.5646

202.4959,
156.6435, 433.1144

■ 7.2797, 2.6812,
41.0463

■ 30.3226, 17.3668,
102.7970

■ 3.6855, 0.9676,
28.0353

■ 43.3083, 26.7251,
132.3483

■ 1.5258, 0.0000,
18.1130

■ 59.5552, 38.9554,
167.0810

■ 0.3433, 0.0000,
10.8609

■ 79.4287, 54.4424,
207.4136

■ 0.0000, 0.0000,
5.8604

■ 103.2941, 73.5702,
253.7647

■ 0.0000, 0.0000,
2.6929


■ 131.5169, 96.7235,


■ 0.0000, 0.0000,

306.5529

0.9399


 164.4624,
124.2864, 366.1966


 0.0000, 0.0000,
0.0000


 12.6737, 5.7293,
57.5646


 12.6737, 5.7293,
57.5646


 11.6546, 4.7909,
57.4374


 14.3052, 7.4192,
57.8050

 11.5533, 4.6969,
57.4246

 16.6555, 10.0315,
58.1854

 19.8005, 13.6770,
58.7233

 23.8055, 18.4507,
59.4336

 28.7289, 24.4365,
60.3295

■ 34.6238, 31.7104,
61.4228

■ 41.5394, 40.3421,
62.7244

■ 49.5212, 50.3963,
64.2443

■ 58.6123, 61.9334,
65.9921

Harmonies

Analogous

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



6.5253, 5.7293, 81.6816



12.6737, 5.7293, 57.5646



18.4208, 5.7293, 22.9582

Triad

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



12.6737, 5.7293, 57.5646



9.8293, 5.7293, 0.0000



0.4678, 5.7293, 9.6214

Complementary

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



12.6737, 5.7293, 57.5646



39.1989, 52.2442, 8.8284

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.



0.6638, 5.7293, 0.5298



12.6737, 5.7293, 57.5646



4.4920, 5.7293, 0.0000

Square

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



12.6737, 5.7293, 57.5646



16.2261, 5.7293, 0.0000



1.6731, 5.7293, 0.0000



0.9615, 5.7293, 37.1783

Rectangle

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



12.6737, 5.7293, 57.5646



20.0959, 5.7293, 7.9156



1.6731, 5.7293, 0.0000



0.4558, 5.7293, 4.8163

Sweetspot

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



12.6742, 5.7293, 57.5648



58.8156, 54.3482, 101.9981



26.9447, 35.9264, 62.6413



11.8090, 10.6649, 21.6861



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.



12.6742, 5.7293, 57.5648



19.0168, 7.7184, 95.0952



22.1300, 10.6040, 58.0073



10.7722, 10.9319, 14.1127



7.3250, 2.9837, 36.1461



0.4333, 0.1825, 1.8673

Inverse Universe

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



32.8463, 16.5052, 41.4895



53.2134, 26.0494, 64.9813



25.6171, 45.2426, 8.1928



11.6045, 11.3705, 13.7181



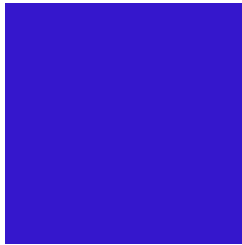
20.2799, 9.9226, 24.9905



1.0680, 0.5206, 1.4040

Previews

White Background



This preview shows how the XYZ color 12.6737, 5.7293, 57.5646 looks on a white background.

Color Contrast Check

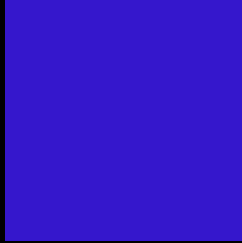
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 12.6737, 5.7293, 57.5646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

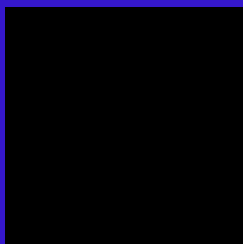
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6737, 5.7293, 57.5646

Background



This preview shows how black text looks on a background with the XYZ color 12.6737, 5.7293, 57.5646.



This preview shows how white text looks on a background with the XYZ color 12.6737, 5.7293,

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

12.6737, 5.7293, 57.5646

Protanopia

6.5357, 5.7314, 24.8066

Deuteranopia

5.4010, 5.6647, 17.6383



Tritanopia

4.0324, 5.7481, 8.4864

Trichromacy



Original Color

12.6737, 5.7293, 57.5646

Protanomaly

7.9307, 5.0283, 34.7350

Deuteranomaly

6.9665, 4.8546, 29.0036

Tritanomaly

5.4334, 4.5454, 19.9930

Monochromacy



Original Color

12.6737, 5.7293, 57.5646

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.0029, 3.4955, 14.5984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6737, 5.7293, 57.5646 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(53, 23, 204)` looks like.

```
.text, #text, p{  
    color:rgb(53, 23, 204)  
}
```

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(53, 23, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 23, 204) }
```

Border

The CSS property to change the border of an element to XYZ 12.6737, 5.7293, 57.5646 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(53, 23, 204) }
```


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

```
.border{ border-color:rgb(53, 23, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 23, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 23, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 23, 204);  
box-shadow:4px 4px 4px 4px rgb(53, 23,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6737, 5.7293, 57.5646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 23, 204) }
```

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

```
.background{ background-color: rgb(53, 23,  
204) }
```

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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