

Converting Colors

XYZ(21.6337, 12.3100, 54.0592)

Have a look what the booklet for
XYZ(21.6337, 12.3100, 54.0592)
contains.

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Color

**XYZ(21.6337, 12.3100,
54.0592)**

Conversions

Conversions Part 1

Format	Color
Hex	873BC5
RGB	135, 59, 197
RGB Percent	53%, 23%, 77%
CMY	0.4706, 0.7686, 0.2274
CMYK	0.31, 0.70, 0.00, 0.23
HSL	273°, 54%, 50%
HSV	273°, 70%, 77%
XYZ	21.6337, 12.3100, 54.0592
YIQ	97.4560, 0.9980, 59.0300

Conversions

Conversions Part 2

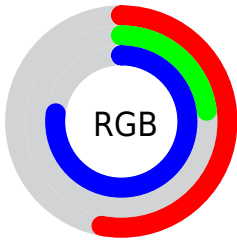
Format	Color
R_{YB}	135, 59, 197
Decimal	8862661
CIE _{Lab}	41.70, 56.55, -58.88
CIE _{LCh}	42, 81.639, 313.848
Yxy	12.3100, 0.2458, 0.1399
Android (android.graphics.Color)	4287052741 (0xFF873BC5)
YUV	97.4560, 49.0752, 32.9261
Hunter-Lab	35.0856, 48.6628, -66.7929

Details

The XYZ color **21.6337, 12.3100, 54.0592** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **28.6407, 44.3133, 11.1816**, and the grayscale version is **11.3576, 11.9491, 13.0126**.

A 20% lighter version of the original color is **45.5824, 30.0148, 97.9987**, and **8.1069, 3.6153, 25.8617** is the 20% darker color. If you saturate the color by 10%, you get **19.4403, 9.9494, 53.7194**, and if you desaturate by 10%, it is **24.3286, 15.4963, 54.5324**.

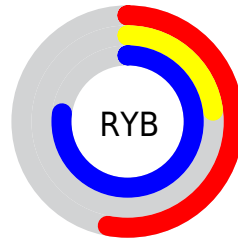
Distribution



Red (53%)

Green (23%)

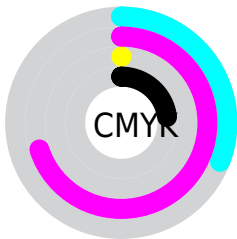
Blue (77%)



Red (53%)

Yellow (23%)

Blue (77%)

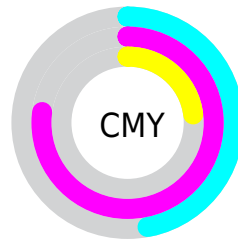


Cyan (31%)

Magenta (70%)

Yellow (0%)

Black (23%)



Cyan (47%)

Magenta (77%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6337, 12.3100, 54.0592 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 21.6337, 12.3100, 54.0592 by changing the saturation by 10% instead.

■ 21.6337, 12.3100,
54.0592

■ 21.6337, 12.3100,
54.0592

253.2958,
206.4469, 419.5167

■ 13.7031, 6.9552,
38.2555

■ 45.6232, 30.0585,
97.6184

■ 7.9948, 3.4341,
25.8777

■ 62.4128, 43.2209,
126.2111

■ 4.1434, 1.3623,
16.5072

■ 82.8861, 59.7546,
159.9037

■ 1.7836, 0.1887,
9.7255

■ 107.4085, 80.0441,
199.1150

■ 0.5077, 0.0000,
5.1142

■ 136.3453,
104.4736, 244.2634

■ 0.0000, 0.0000,
2.2545

170.0619,

■ 0.0000, 0.0000,

133.4277, 295.7674

0.7056

208.9236,
167.2907, 354.0457

■ 0.0000, 0.0000,
0.0000

■ 21.6337, 12.3100,
54.0592

■ 21.6337, 12.3100,
54.0592

■ 19.4403, 9.9494,
53.7194

■ 24.3286, 15.4963,
54.5324

■ 17.6981, 8.3205,
53.4968

■ 27.5645, 19.5854,
55.1512

■ 16.3230, 7.2506,
53.3628

■ 31.3784, 24.6468,
55.9271

■ 35.8033, 30.7425,
56.8704

■ 40.8695, 37.9293,
57.9906

■ 46.6051, 46.2599,
59.2963

■ 53.0364, 55.7834,
60.7955

■ 60.1882, 66.5459,
62.4960

■ 68.0841, 78.5911,
64.4048

Harmonies

Analogous

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



14.6800, 12.3100, 77.7427



21.6337, 12.3100, 54.0592



26.6221, 12.3100, 24.8375

Triad

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



21.6337, 12.3100, 54.0592



15.2069, 12.3100, 0.0000



3.7003, 12.3100, 22.9531

Complementary

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



21.6337, 12.3100, 54.0592



28.6407, 44.3133, 11.1816

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.



3.7562, 12.3100, 6.1603



21.6337, 12.3100, 54.0592



9.1538, 12.3100, 0.0000

Square

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



21.6337, 12.3100, 54.0592



22.1311, 12.3100, 1.0773



5.3963, 12.3100, 0.9108



5.2031, 12.3100, 51.7160

Rectangle

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



21.6337, 12.3100, 54.0592



27.3709, 12.3100, 11.3091



5.3963, 12.3100, 0.9108



3.5587, 12.3100, 15.7417

Sweetspot

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



21.6343, 12.3104, 54.0595



71.9781, 66.1827, 103.5886



18.7314, 18.6603, 55.4382



14.8454, 13.3655, 22.0473



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.



21.6343, 12.3104, 54.0595



33.0883, 16.1394, 95.9790



33.8954, 18.7205, 50.5997



10.6057, 10.5705, 13.3988



10.8337, 4.8192, 35.1036



0.5955, 0.2707, 1.6660

Inverse Universe

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



28.0412, 16.3789, 19.7722



46.5436, 24.6391, 25.9813



22.7505, 41.2547, 11.9029



10.8286, 10.7148, 12.0807



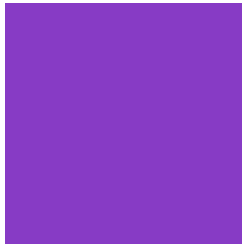
16.3584, 8.2929, 7.0974



0.8109, 0.4072, 0.5276

Previews

White Background



This preview shows how the XYZ color 21.6337, 12.3100, 54.0592 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 × Fail

Black Background



This preview shows how the XYZ color 21.6337, 12.3100, 54.0592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

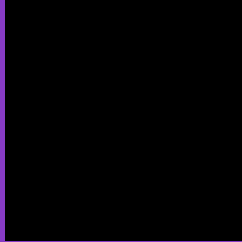
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6337, 12.3100, 54.0592

Background



This preview shows how black text looks on a background with the XYZ color 21.6337, 12.3100, 54.0592.



This preview shows how white text looks on a background with the XYZ color 21.6337, 12.3100,

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

21.6337, 12.3100, 54.0592

Protanopia

14.7529, 12.4487, 57.5024

Deuteranopia

12.4902, 12.4420, 42.8175



Tritanopia

13.4154, 12.3371, 13.4786

Trichromacy



Original Color

21.6337, 12.3100, 54.0592



Protanomaly

14.7092, 10.8577, 55.9641



Deuteranomaly

13.2461, 10.7692, 46.7279



Tritanomaly

15.5540, 11.7717, 24.3740

Monochromacy



Original Color

21.6337, 12.3100, 54.0592



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

13.8824, 11.2595, 23.6319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6337, 12.3100, 54.0592 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(135, 59, 197)` looks like.

```
.text, #text, p{  
    color:rgb(135, 59, 197)  
}
```

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(135, 59, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 59, 197) }
```

Border

The CSS property to change the border of an element to XYZ 21.6337, 12.3100, 54.0592 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(135, 59, 197) }
```


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

```
.border{ border-color:rgb(135, 59, 197) }
```

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

Here you see how a box with a 4 pixel rgb(135, 59, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 59, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 59, 197);  
box-shadow:4px 4px 4px 4px rgb(135, 59,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6337, 12.3100, 54.0592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 59, 197) }
```

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

```
.background{ background-color: rgb(135, 59,  
197) }
```

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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