

Converting Colors

XYZ(23.5123, 12.2498, 90.6453)

Have a look what the booklet for
XYZ(23.5123, 12.2498, 90.6453)
contains.

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Color

**XYZ(23.5501, 12.2646,
90.7486)**

Conversions

Conversions Part 1

Format	Color
Hex	6238F9
RGB	98, 56, 249
RGB Percent	38%, 22%, 98%
CMY	0.6157, 0.7804, 0.0235
CMYK	0.61, 0.78, 0.00, 0.02
HSL	253°, 94%, 60%
HSV	253°, 78%, 98%
XYZ	23.5501, 12.2646, 90.7486
YIQ	90.5600, -36.9210, 68.9270

Conversions

Conversions Part 2

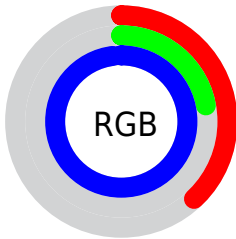
Format	Color
R_{YB}	98, 56, 249
Decimal	6437113
CIE _{Lab}	41.63, 65.62, -88.85
CIE _{LCh}	42, 110.454, 306.449
Yxy	12.2646, 0.1861, 0.0969
Android (android.graphics.Color)	4284627193 (0xFF6238F9)
YUV	90.5600, 78.1109, 6.5249
Hunter-Lab	35.0209, 58.7475, -129.1220

Details

The XYZ color **23.5501, 12.2646, 90.7486** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **60.3188, 81.3011, 16.2546**, and the grayscale version is **9.6803, 10.1844, 11.0908**.

A 20% lighter version of the original color is **38.8285, 26.0498, 97.5894**, and **9.4040, 3.7616, 49.5206** is the 20% darker color. If you saturate the color by 10%, you get **20.7768, 9.4668, 90.3551**, and if you desaturate by 10%, it is **27.4357, 16.5251, 91.3665**.

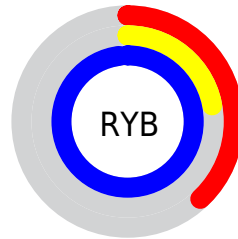
Distribution



Red (38%)

Green (22%)

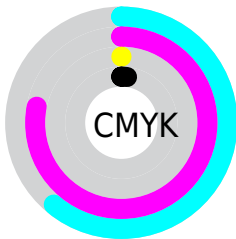
Blue (98%)



Red (38%)

Yellow (22%)

Blue (98%)

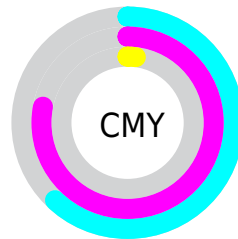


Cyan (61%)

Magenta (78%)

Yellow (0%)

Black (2%)



Cyan (62%)

Magenta (78%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5501, 12.2646, 90.7486 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 23.5501, 12.2646, 90.7486 by changing the saturation by 10% instead.

■ 23.5501, 12.2646,
90.7486

■ 23.5501, 12.2646,
90.7486

263.0209,
206.1492, 551.0958

■ 15.1231, 6.9241,
68.0245

■ 48.7551, 29.9761,
150.3224

■ 8.9927, 3.4147,
49.4508

■ 66.2638, 43.1160,
188.0091

■ 4.7935, 1.3519,
34.6091

■ 87.5305, 59.6244,
231.5205

■ 2.1601, 0.1809,
23.0808

■ 112.9205, 79.8858,
281.2751

■ 0.7216, 0.0000,
14.4473

■ 142.7992,
104.2846, 337.6914

■ 0.0000, 0.0000,
8.2901

■ 177.5319,

■ 0.0000, 0.0000,

133.2052, 401.1879

4.1907

217.4840,
167.0319, 472.1832

■ 0.0000, 0.0000,
1.7306

■ 0.0000, 0.0000,
0.3815

■ 23.5501, 12.2646,
90.7486

■ 23.5501, 12.2646,
90.7486

■ 20.7768, 9.4668,
90.3551

■ 27.4357, 16.5251,
91.3665

■ 18.9727, 7.9054,
90.1488

■ 32.5435, 22.4217,
92.2355

■ 18.6310, 7.6294,
90.1135

■ 38.9720, 30.1039,
93.3795

■ 46.8084, 39.7036,
94.8194

■ 56.1324, 51.3401,
96.5740

■ 67.0173, 65.1231,
98.6607

■ 79.5317, 81.1542,
101.0954

■ 93.6768, 99.4019,
103.8721

■ 94.0990, 99.6196,
103.8918

Harmonies

Analogous

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



13.4923, 12.2646, 124.4739



23.5501, 12.2646, 90.7486



32.5103, 12.2646, 40.2201

Triad

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



23.5501, 12.2646, 90.7486



19.0392, 12.2646, 0.0000



2.0274, 12.2646, 19.0063

Complementary

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



23.5501, 12.2646, 90.7486



60.3188, 81.3011, 16.2546

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.



2.4236, 12.2646, 2.2935



23.5501, 12.2646, 90.7486



9.9964, 12.2646, 0.0000

Square

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



23.5501, 12.2646, 90.7486



29.1713, 12.2646, 0.4307



4.6446, 12.2646, 0.0000



3.0896, 12.2646, 61.1282

Rectangle

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



23.5501, 12.2646, 90.7486



35.0822, 12.2646, 16.3065



4.6446, 12.2646, 0.0000



2.0061, 12.2646, 10.7814

Sweetspot

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



23.5509, 12.2648, 90.7490



64.1964, 60.4302, 102.8884



41.0869, 52.3947, 97.5706



12.8815, 11.8500, 21.8583



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.



23.5509, 12.2648, 90.7490



20.7516, 8.9302, 95.2377



40.8424, 21.1789, 91.5582



16.6362, 16.8251, 21.7560



10.0702, 4.1340, 48.2407



1.0185, 0.4271, 4.4719

Inverse Universe

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



51.7424, 27.4724, 61.6005



52.2787, 26.0177, 59.0041



41.1051, 71.3960, 15.3554



17.8218, 17.4561, 20.9173



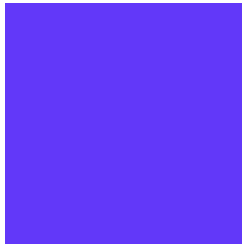
26.2276, 12.9068, 28.9709



2.4678, 1.2109, 2.8868

Previews

White Background



This preview shows how the XYZ color 23.5501, 12.2646, 90.7486 looks on a white background.

Color Contrast Check

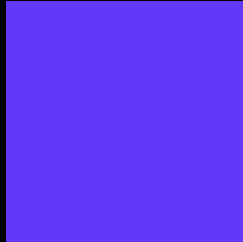
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5501, 12.2646, 90.7486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

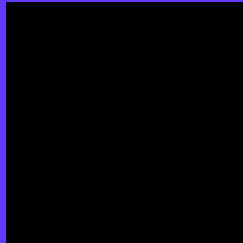
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.5501, 12.2646, 90.7486

Background



This preview shows how black text looks on a background with the XYZ color 23.5501, 12.2646, 90.7486.



This preview shows how white text looks on a background with the XYZ color 23.5501, 12.2646,

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

23.5501, 12.2646, 90.7486

Protanopia

14.1957, 12.0826, 55.0101

Deuteranopia

11.7186, 11.9789, 39.2306



Tritanopia

8.9455, 12.0524, 18.3779

Trichromacy



Original Color

23.5501, 12.2646, 90.7486

Protanomaly

16.1206, 11.1221, 66.9428

Deuteranomaly

14.0909, 10.7929, 54.7667

Tritanomaly

11.7661, 10.4720, 36.5231

Monochromacy



Original Color

23.5501, 12.2646, 90.7486

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.6858, 9.9666, 29.2721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5501, 12.2646, 90.7486 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(98, 56, 249)` looks like.

```
.text, #text, p{  
    color:rgb(98, 56, 249)  
}
```

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(98, 56, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 56, 249) }
```

Border

The CSS property to change the border of an element to XYZ 23.5501, 12.2646, 90.7486 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(98, 56, 249) }
```


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

```
.border{ border-color:rgb(98, 56, 249) }
```

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

Here you see how a box with a 4 pixel rgb(98, 56, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 56, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 56, 249);  
box-shadow:4px 4px 4px 4px rgb(98, 56,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5501, 12.2646, 90.7486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 56, 249) }
```

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

```
.background{ background-color: rgb(98, 56,  
249) }
```

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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