

Converting Colors

XYZ(23.0032, 11.7008, 95.6538)

Have a look what the booklet for
XYZ(23.0032, 11.7008, 95.6538)
contains.

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Color

**XYZ(23.0253, 11.7432,
95.6608)**

Conversions

Conversions Part 1

Format	Color
Hex	5436FF
RGB	84, 54, 255
RGB Percent	33%, 21%, 100%
CMY	0.6706, 0.7882, 0.0000
CMYK	0.67, 0.79, 0.00, 0.00
HSL	249°, 100%, 61%
HSV	249°, 79%, 100%
XYZ	23.0253, 11.7432, 95.6608
YIQ	85.8840, -46.6410, 68.8710

Conversions

Conversions Part 2

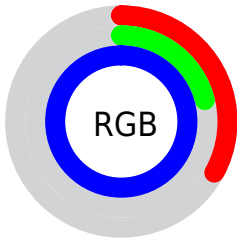
Format	Color
R_{YB}	84, 54, 255
Decimal	5519103
CIE _{Lab}	40.81, 66.84, -93.61
CIE _{LCh}	41, 115.027, 305.528
Yxy	11.7432, 0.1765, 0.0900
Android (android.graphics.Color)	4283709183 (0xFF5436FF)
YUV	85.8840, 83.3742, -1.6523
Hunter-Lab	34.2684, 59.9666, -141.5214

Details

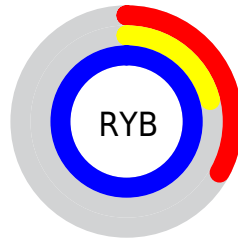
The XYZ color **23.0253, 11.7432, 95.6608** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **67.4733, 87.7919, 16.8790**, and the grayscale version is **8.6578, 9.1087, 9.9194**.

A 20% lighter version of the original color is **36.6341, 24.6054, 97.4262**, and **10.0780, 4.0312, 53.0703** is the 20% darker color. If you saturate the color by 10%, you get **20.4837, 9.1087, 95.2863**, and if you desaturate by 10%, it is **26.7905, 15.9299, 96.2705**.

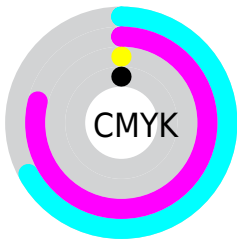
Distribution



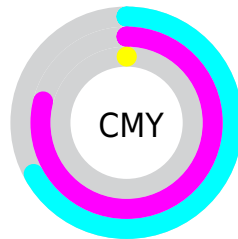
- Red (33%)
- Green (21%)
- Blue (100%)



- Red (33%)
- Yellow (21%)
- Blue (100%)



- Cyan (67%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (79%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0253, 11.7432, 95.6608 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 23.0253, 11.7432, 95.6608 by changing the saturation by 10% instead.

■ 23.0253, 11.7432,
95.6608

■ 23.0253, 11.7432,
95.6608

260.3878,
202.6977, 567.3166

■ 14.7330, 6.5691,
72.0852

■ 47.9012, 29.0265,
157.1806

■ 8.7173, 3.1941,
52.7410

■ 65.2155, 41.9045,
195.9619

■ 4.6129, 1.2339,
37.2097

■ 86.2679, 58.1192,
240.6488

■ 2.0544, 0.0891,
25.0729

■ 111.4237, 78.0551,
291.6599

■ 0.6642, 0.0000,
15.9118

■ 141.0482,
102.0965, 349.4136

■ 0.0000, 0.0000,
9.3081

■ 175.5068,

■ 0.0000, 0.0000,

130.6278, 414.3287

4.8431

215.1649,
164.0334, 486.8235

■ 0.0000, 0.0000,
2.0984

■ 0.0000, 0.0000,
0.6148

■ 23.0253, 11.7432,
95.6608

■ 23.0253, 11.7432,
95.6608

■ 20.4837, 9.1087,
95.2863

■ 26.7905, 15.9299,
96.2705

■ 18.9821, 7.7488,
95.1029

■ 31.9126, 21.8650,
97.1461

■ 18.8521, 7.6335,
95.0875

■ 38.5093, 29.7157,
98.3138

■ 46.6847, 39.6293,
99.7964

■ 56.5332, 51.7386,
101.6147

■ 68.1419, 66.1653,
103.7875

■ 81.5915, 83.0221,
106.3323

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



12.7466, 11.7432, 130.4761



23.0253, 11.7432, 95.6608



32.4736, 11.7432, 42.0010

Triad

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



23.0253, 11.7432, 95.6608



19.0284, 11.7432, 0.0000



1.6843, 11.7432, 17.6359

Complementary

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



23.0253, 11.7432, 95.6608



67.4733, 87.7919, 16.8790

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.



2.0934, 11.7432, 1.7311



23.0253, 11.7432, 95.6608



9.7137, 11.7432, 0.0000

Square

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



23.0253, 11.7432, 95.6608



29.4821, 11.7432, 0.2455



4.2888, 11.7432, 0.0000



2.6303, 11.7432, 60.8980

Rectangle

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



23.0253, 11.7432, 95.6608



35.3363, 11.7432, 16.6305



4.2888, 11.7432, 0.0000



1.6772, 11.7432, 9.5855

Sweetspot

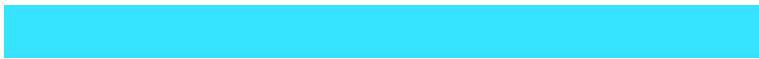
The Sweet Spot groups the original color and five complimentary colors.



23.0261, 11.7434, 95.6608



61.9090, 58.4024, 102.6176



47.3695, 63.6009, 104.3873



12.3927, 11.4359, 21.8041



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.



23.0261, 11.7434, 95.6608



19.4536, 8.1525, 95.1560



38.4953, 19.7180, 96.3848



17.2554, 17.5079, 22.7198



9.9258, 4.0274, 49.6888



1.0375, 0.4287, 4.8413

Inverse Universe

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



56.1480, 29.3337, 73.9280



54.1444, 26.6470, 69.1894



45.2826, 76.3522, 15.8405



18.6692, 18.2510, 22.1412



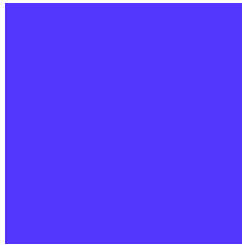
28.1322, 13.7422, 35.6765



2.7694, 1.3501, 3.6332

Previews

White Background



This preview shows how the XYZ color 23.0253, 11.7432, 95.6608 looks on a white background.

Color Contrast Check

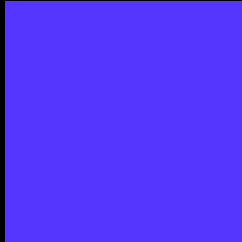
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0253, 11.7432, 95.6608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

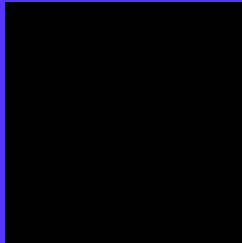
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.0253, 11.7432, 95.6608

Background



This preview shows how black text looks on a background with the XYZ color 23.0253, 11.7432, 95.6608.



This preview shows how white text looks on a background with the XYZ color 23.0253, 11.7432,

95.6608.

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

23.0253, 11.7432, 95.6608

Protanopia

13.4528, 11.5045, 51.9636

Deuteranopia

11.1592, 11.4520, 37.2196



Tritanopia

8.1347, 11.5003, 17.4138

Trichromacy



Original Color

23.0253, 11.7432, 95.6608

Protanomaly

15.6841, 10.6980, 66.2040

Deuteranomaly

13.7754, 10.4031, 54.7080

Tritanomaly

10.7648, 9.8243, 36.9262

Monochromacy



Original Color

23.0253, 11.7432, 95.6608

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

11.4616, 8.9354, 28.7244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0253, 11.7432, 95.6608 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(84, 54, 255)` looks like.

```
.text, #text, p{  
    color:rgb(84, 54, 255)  
}
```

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(84, 54, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 54, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.0253, 11.7432, 95.6608 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(84, 54, 255) }
```


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

```
.border{ border-color:rgb(84, 54, 255) }
```

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

Here you see how a box with a 4 pixel rgb(84, 54, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 54, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 54, 255);  
box-shadow:4px 4px 4px 4px rgb(84, 54,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0253, 11.7432, 95.6608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 54, 255) }
```

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

```
.background{ background-color: rgb(84, 54,  
255) }
```

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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