

Converting Colors

XYZ(23.3945, 12.2092, 85.1291)

Have a look what the booklet for
XYZ(23.3945, 12.2092, 85.1291)
contains.

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Color

**XYZ(23.4566, 12.2690,
85.1363)**

Conversions

Conversions Part 1

Format	Color
Hex	6B37F2
RGB	107, 55, 242
RGB Percent	42%, 22%, 95%
CMY	0.5804, 0.7843, 0.0510
CMYK	0.56, 0.77, 0.00, 0.05
HSL	257°, 88%, 58%
HSV	257°, 77%, 95%
XYZ	23.4566, 12.2690, 85.1363
YIQ	91.8660, -29.0350, 69.1810

Conversions

Conversions Part 2

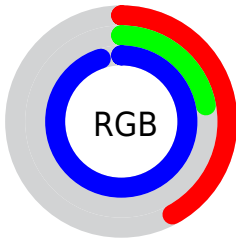
Format	Color
R_{YB}	107, 55, 242
Decimal	7026674
CIE _{Lab}	41.64, 65.18, -84.87
CIE _{LCh}	42, 107.011, 307.521
Yxy	12.2690, 0.1941, 0.1015
Android (android.graphics.Color)	4285216754 (0xFF6B37F2)
YUV	91.8660, 74.0161, 13.2725
Hunter-Lab	35.0271, 58.2385, -119.5902

Details

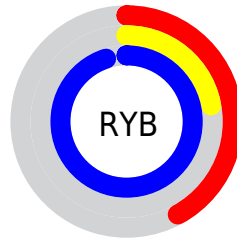
The XYZ color **23.4566, 12.2690, 85.1363** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **53.6752, 74.7266, 15.2089**, and the grayscale version is **9.9827, 10.5026, 11.4373**.

A 20% lighter version of the original color is **39.9901, 26.4912, 97.6133**, and **9.0284, 3.6549, 45.5770** is the 20% darker color. If you saturate the color by 10%, you get **20.6833, 9.5308, 84.7543**, and if you desaturate by 10%, it is **27.2186, 16.3521, 85.7265**.

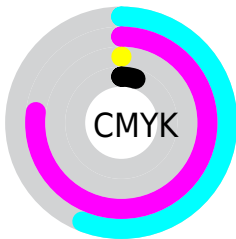
Distribution



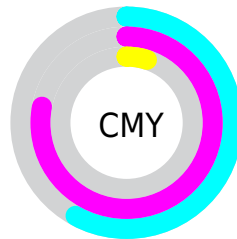
- Red (42%)
- Green (22%)
- Blue (95%)



- Red (42%)
- Yellow (22%)
- Blue (95%)



- Cyan (56%)
- Magenta (77%)
- Yellow (0%)
- Black (5%)



- Cyan (58%)
- Magenta (78%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4566, 12.2690, 85.1363 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 23.4566, 12.2690, 85.1363 by changing the saturation by 10% instead.

■ 23.4566, 12.2690,
85.1363

■ 23.4566, 12.2690,
85.1363

262.5534,
206.1781, 532.2353

■ 15.0536, 6.9272,
63.4032

■ 48.6031, 29.9841,
142.4394

■ 8.9435, 3.4166,
45.7244

■ 66.0774, 43.1261,
178.8466

■ 4.7612, 1.3529,
31.6813

■ 87.3060, 59.6370,
220.9821

■ 2.1411, 0.1816,
20.8554

■ 112.6545, 79.9012,
269.2647

■ 0.7114, 0.0000,
12.8281

■ 142.4881,
104.3029, 324.1127

■ 0.0000, 0.0000,
7.1810

■ 177.1722,

■ 0.0000, 0.0000,

133.2268, 385.9448

3.4954

217.0722,
167.0570, 455.1795

■ 0.0000, 0.0000,
1.3528

■ 0.0000, 0.0000,
0.1045

■ 23.4566, 12.2690,
85.1363

■ 23.4566, 12.2690,
85.1363

■ 20.6833, 9.5308,
84.7543

■ 27.2186, 16.3521,
85.7265

■ 18.7762, 7.9344,
84.5467

■ 32.0631, 21.9368,
86.5491

■ 18.3627, 7.6149,
84.5068

■ 38.0746, 29.1582,
87.6261

■ 45.3280, 38.1357,
88.9767

■ 53.8915, 48.9774,
90.6180

■ 63.8283, 61.7825,
92.5659

■ 75.1971, 76.6433,
94.8351

■ 88.0535, 93.6458,
97.4393

■ 93.0271, 99.1908,
98.2475

Harmonies

Analogous

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



13.7470, 12.2690, 118.0637



23.4566, 12.2690, 85.1363



31.8609, 12.2690, 37.5830

Triad

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



23.4566, 12.2690, 85.1363



18.4232, 12.2690, 0.0000



2.1938, 12.2690, 19.8411

Complementary

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



23.4566, 12.2690, 85.1363



53.6752, 74.7266, 15.2089

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.



2.5443, 12.2690, 2.7201



23.4566, 12.2690, 85.1363



9.7981, 12.2690, 0.0000

Square

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



23.4566, 12.2690, 85.1363



28.1596, 12.2690, 0.4627



4.6810, 12.2690, 0.0000



3.3281, 12.2690, 60.6471

Rectangle

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



23.4566, 12.2690, 85.1363



34.1223, 12.2690, 15.3133



4.6810, 12.2690, 0.0000



2.1561, 12.2690, 11.5782

Sweetspot

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



23.4574, 12.2693, 85.1367



65.2114, 60.9535, 102.9359



36.4815, 44.9809, 90.7642



13.1221, 11.9740, 21.8696



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.



23.4574, 12.2693, 85.1367



21.9026, 9.5236, 95.2916



40.7787, 21.1987, 85.9473



15.3099, 15.4415, 19.8952



9.9782, 4.1493, 45.4029



0.9232, 0.3932, 3.7815

Inverse Universe

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



47.2777, 25.3270, 51.1078



50.6441, 25.3639, 50.3964



37.5473, 66.4124, 14.4542



16.2558, 15.9520, 18.9033



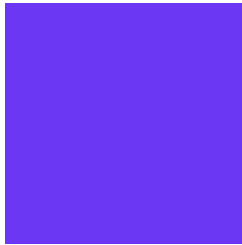
23.8733, 11.8217, 23.0470



2.0280, 1.0002, 2.1383

Previews

White Background



This preview shows how the XYZ color 23.4566, 12.2690, 85.1363 looks on a white background.

Color Contrast Check

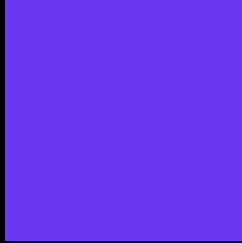
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4566, 12.2690, 85.1363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

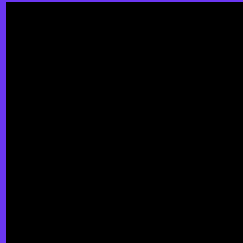
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.4566, 12.2690, 85.1363

Background



This preview shows how black text looks on a background with the XYZ color 23.4566, 12.2690, 85.1363.



This preview shows how white text looks on a background with the XYZ color 23.4566, 12.2690,

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

23.4566, 12.2690, 85.1363

Protanopia

14.3115, 12.1289, 55.6196

Deuteranopia

11.9094, 12.2096, 39.7592



Tritanopia

9.8957, 12.2561, 17.4669

Trichromacy



Original Color

23.4566, 12.2690, 85.1363

Protanomaly

15.9711, 11.0750, 65.5859

Deuteranomaly

13.9708, 10.7575, 53.5646

Tritanomaly

12.8139, 10.9322, 34.6925

Monochromacy



Original Color

23.4566, 12.2690, 85.1363

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.9922, 10.2399, 28.8955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4566, 12.2690, 85.1363 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(107, 55, 242)` looks like.

```
.text, #text, p{  
    color:rgb(107, 55, 242)  
}
```

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(107, 55, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 55, 242) }
```

Border

The CSS property to change the border of an element to XYZ 23.4566, 12.2690, 85.1363 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(107, 55, 242) }
```


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

```
.border{ border-color:rgb(107, 55, 242) }
```

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

Here you see how a box with a 4 pixel rgb(107, 55, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 55, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 55, 242);  
box-shadow:4px 4px 4px 4px rgb(107, 55,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4566, 12.2690, 85.1363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 55, 242) }
```

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

```
.background{ background-color: rgb(107, 55,  
242) }
```

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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