

Converting Colors

XYZ(24.6840, 12.3973, 95.6997)

Have a look what the booklet for
XYZ(24.6840, 12.3973, 95.6997)
contains.

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Color

**XYZ(24.7133, 12.4124,
95.7010)**

Conversions

Conversions Part 1

Format	Color
Hex	6633FF
RGB	102, 51, 255
RGB Percent	40%, 20%, 100%
CMY	0.6000, 0.8000, 0.0000
CMYK	0.60, 0.80, 0.00, 0.00
HSL	255°, 100%, 60%
HSV	255°, 80%, 100%
XYZ	24.7133, 12.4124, 95.7010
YIQ	89.5050, -35.0880, 74.2560

Conversions

Conversions Part 2

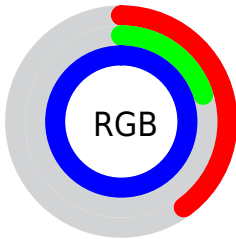
Format	Color
R _Y B	102, 51, 255
Decimal	6697983
CIE Lab	41.86, 69.72, -91.81
CIE LCh	42, 115.282, 307.210
Yxy	12.4124, 0.1861, 0.0934
Android (android.graphics.Color)	4284888063 (0xFF6633FF)
YUV	89.5050, 81.5890, 10.9581
Hunter-Lab	35.2312, 63.5559, -136.3916

Details

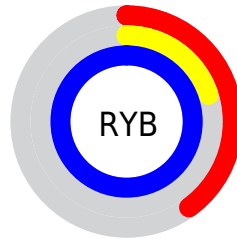
The XYZ color **24.7133, 12.4124, 95.7010** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **61.2561, 84.5947, 16.2314**, and the grayscale version is **9.4381, 9.9296, 10.8133**.

A 20% lighter version of the original color is **39.2500, 25.6480, 97.4896**, and **10.0780, 4.0312, 53.0703** is the 20% darker color. If you saturate the color by 10%, you get **21.9654, 9.7704, 95.3359**, and if you desaturate by 10%, it is **28.5724, 16.5320, 96.2928**.

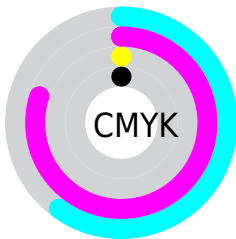
Distribution



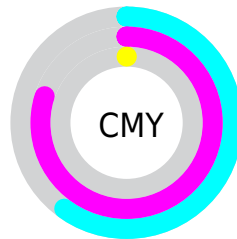
- Red (40%)
- Green (20%)
- Blue (100%)



- Red (40%)
- Yellow (20%)
- Blue (100%)



- Cyan (60%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7133, 12.4124, 95.7010 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 24.7133, 12.4124, 95.7010 by changing the saturation by 10% instead.

 24.7133, 12.4124,
95.7010


 24.7133, 12.4124,
95.7010


268.7812,
207.1167, 567.4483


 15.9912, 7.0252,
72.1184


 50.6380, 30.2440,
157.2366

 9.6087, 3.4779,
52.7680

 68.5712, 43.4572,
196.0267


 5.2006, 1.3860,
37.2312


 90.3056, 60.0479,
240.7232

 2.4014, 0.2064,
25.0893

 116.2064, 80.4004,
291.7444

 0.8458, 0.0000,
15.9240

 146.6390,
104.8991, 349.5090

 0.0000, 0.0000,
9.3166

 181.9688,

 0.0000, 0.0000,

133.9285, 414.4355

4.8486

222.5610,
167.8729, 486.9424

■ 0.0000, 0.0000,
2.1015

■ 0.0000, 0.0000,
0.6167

■ 24.7133, 12.4124,
95.7010

■ 24.7133, 12.4124,
95.7010

■ 21.9654, 9.7704,
95.3359

■ 28.5724, 16.5320,
96.2928

■ 20.1490, 8.3021,
95.1482

■ 33.6593, 22.3197,
97.1418

■ 40.0770, 29.9371,
98.2739

■ 47.9163, 39.5259,
99.7115

■ 57.2597, 51.2138,
101.4751

■ 68.1831, 65.1175,
103.5830

■ 80.7571, 81.3451,
106.0526

95.0479, 99.9973,
108.8996

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.



13.9721, 12.4124, 133.6414



24.7133, 12.4124, 95.7010



34.2190, 12.4124, 40.9979

Triad

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



24.7133, 12.4124, 95.7010



19.3366, 12.4124, 0.0000



1.8726, 12.4124, 20.2889

Complementary

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



24.7133, 12.4124, 95.7010



61.2561, 84.5947, 16.2314

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.



2.2297, 12.4124, 2.2781



24.7133, 12.4124, 95.7010



9.8613, 12.4124, 0.0000

Square

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



24.7133, 12.4124, 95.7010



30.2109, 12.4124, 0.1723



4.4123, 12.4124, 0.0000



2.9765, 12.4124, 66.2573

Rectangle

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



24.7133, 12.4124, 95.7010



36.8413, 12.4124, 15.9263



4.4123, 12.4124, 0.0000



1.8406, 12.4124, 11.3603

Sweetspot

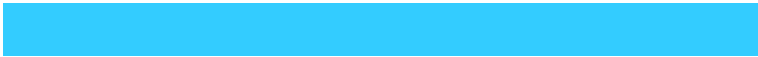
The Sweet Spot groups the original color and five complimentary colors.



24.7141, 12.4126, 95.7010



63.6210, 59.2850, 102.6977



41.0077, 51.1090, 102.3114



12.7942, 11.6429, 21.8229



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.



24.7141, 12.4126, 95.7010



20.7896, 8.7967, 95.2099



44.1353, 22.4246, 96.6099



17.4285, 17.5971, 22.7280



10.6421, 4.3967, 49.7223



1.1310, 0.4770, 4.8457

Inverse Universe

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



53.3214, 27.9864, 59.7110



51.0644, 25.3669, 53.1186



41.8367, 74.5836, 15.3226



18.5872, 18.2182, 21.7092



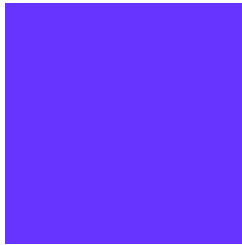
26.5392, 13.1050, 27.2875



2.6277, 1.2935, 2.8869

Previews

White Background



This preview shows how the XYZ color 24.7133, 12.4124, 95.7010 looks on a white background.

Color Contrast Check

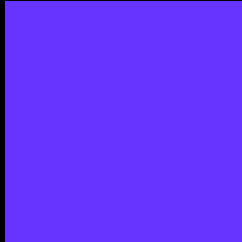
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7133, 12.4124, 95.7010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

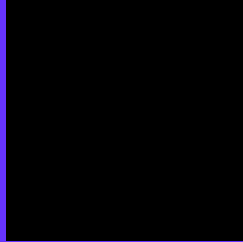
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.7133, 12.4124, 95.7010

Background



This preview shows how black text looks on a background with the XYZ color 24.7133, 12.4124, 95.7010.



This preview shows how white text looks on a background with the XYZ color 24.7133, 12.4124,

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

24.7133, 12.4124, 95.7010

Protanopia

14.4010, 12.3079, 55.6495

Deuteranopia

11.9094, 12.2096, 39.7592



Tritanopia

9.2425, 12.3611, 18.4218

Trichromacy



Original Color

24.7133, 12.4124, 95.7010



Protanomaly

16.3451, 11.0998, 68.2988



Deuteranomaly

14.3988, 10.7969, 56.5834



Tritanomaly

12.2467, 10.5671, 37.9534

Monochromacy



Original Color

24.7133, 12.4124, 95.7010



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

12.7056, 9.7506, 30.0666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7133, 12.4124, 95.7010 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(102, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 51, 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(102, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.7133, 12.4124, 95.7010 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(102, 51, 255) }
```


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

```
.border{ border-color:rgb(102, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7133, 12.4124, 95.7010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 51, 255) }
```

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

```
.background{ background-color: rgb(102, 51,  
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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