

Converting Colors

XYZ(24.5756, 12.3417, 95.6947)

Have a look what the booklet for
XYZ(24.5756, 12.3417, 95.6947)
contains.

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Color

**XYZ(24.6007, 12.3544,
95.6958)**

Conversions

Conversions Part 1

Format	Color
Hex	6533FF
RGB	101, 51, 255
RGB Percent	40%, 20%, 100%
CMY	0.6039, 0.8000, 0.0000
CMYK	0.60, 0.80, 0.00, 0.00
HSL	255°, 100%, 60%
HSV	255°, 80%, 100%
XYZ	24.6007, 12.3544, 95.6958
YIQ	89.2060, -35.6840, 74.0440

Conversions

Conversions Part 2

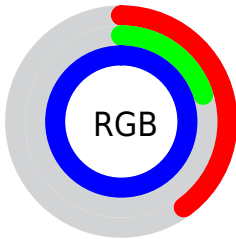
Format	Color
R _Y B	101, 51, 255
Decimal	6632447
CIE Lab	41.77, 69.62, -91.97
CIE LCh	42, 115.345, 307.126
Yxy	12.3544, 0.1855, 0.0931
Android (android.graphics.Color)	4284822527 (0xFF6533FF)
YUV	89.2060, 81.7364, 10.3433
Hunter-Lab	35.1488, 63.4219, -136.8181

Details

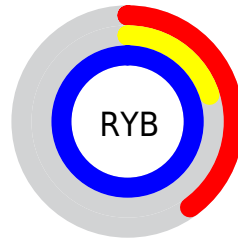
The XYZ color **24.6007, 12.3544, 95.6958** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **61.5313, 84.7365, 16.2444**, and the grayscale version is **9.3722, 9.8603, 10.7378**.

A 20% lighter version of the original color is **39.0379, 25.5386, 97.4797**, and **10.0780, 4.0312, 53.0703** is the 20% darker color. If you saturate the color by 10%, you get **21.8672, 9.7198, 95.3313**, and if you desaturate by 10%, it is **28.4503, 16.4691, 96.2871**.

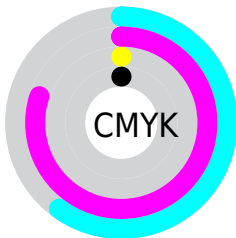
Distribution



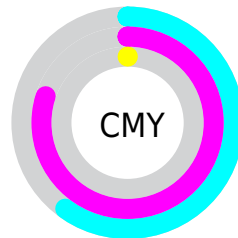
- Red (40%)
- Green (20%)
- Blue (100%)



- 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 24.6007, 12.3544, 95.6958 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 24.6007, 12.3544, 95.6958 by changing the saturation by 10% instead.

 24.6007, 12.3544,
95.6958

 24.6007, 12.3544,
95.6958


268.2280,
206.7376, 567.4313


 15.9070, 6.9855,
72.1141


 50.4563, 30.1389,
157.2294

 9.5488, 3.4530,
52.7645

 68.3488, 43.3234,
196.0184


 5.1608, 1.3726,
37.2284


 90.0383, 59.8818,
240.7135

 2.3776, 0.1964,
25.0872

 115.8902, 80.1987,
291.7335

 0.8339, 0.0000,
15.9224

 146.2697,
104.6583, 349.4966

 0.0000, 0.0000,
9.3155

 181.5423,

 0.0000, 0.0000,

133.6450, 414.4217

4.8479

222.0733,
167.5433, 486.9270

■ 0.0000, 0.0000,
2.1011

■ 0.0000, 0.0000,
0.6164

■ 24.6007, 12.3544,
95.6958

■ 24.6007, 12.3544,
95.6958

■ 21.8672, 9.7198,
95.3313

■ 28.4503, 16.4691,
96.2871

■ 20.0689, 8.2608,
95.1445

■ 33.5332, 22.2548,
97.1360

■ 39.9532, 29.8734,
98.2681

■ 47.8016, 39.4669,
99.7062

■ 57.1615, 51.1634,
101.4705

■ 68.1092, 65.0797,
103.5796

■ 80.7160, 81.3242,
106.0507

95.0484, 99.9979,
108.8997

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.



13.8852, 12.3544, 133.5066



24.6007, 12.3544, 95.6958



34.1047, 12.3544, 41.0186

Triad

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



24.6007, 12.3544, 95.6958



19.2954, 12.3544, 0.0000



1.8531, 12.3544, 20.1215

Complementary

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



24.6007, 12.3544, 95.6958



61.5313, 84.7365, 16.2444

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.



2.2119, 12.3544, 2.2368



24.6007, 12.3544, 95.6958



9.8324, 12.3544, 0.0000

Square

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



24.6007, 12.3544, 95.6958



30.1480, 12.3544, 0.1681



4.3908, 12.3544, 0.0000



2.9459, 12.3544, 65.9622

Rectangle

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



24.6007, 12.3544, 95.6958



36.7400, 12.3544, 15.9335



4.3908, 12.3544, 0.0000



1.8224, 12.3544, 11.2423

Sweetspot

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



24.6015, 12.3546, 95.6958



63.5361, 59.2412, 102.6937



41.8248, 52.7431, 102.5838



12.7743, 11.6326, 21.8220



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.



24.6015, 12.3546, 95.6958



20.7019, 8.7514, 95.2058



43.2135, 21.9495, 96.5668



17.4200, 17.5928, 22.7276



10.5985, 4.3742, 49.7203



1.1257, 0.4742, 4.8455

Inverse Universe

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



53.4418, 28.0347, 60.3451



51.1996, 25.4210, 53.8306



42.2300, 74.7864, 15.3411



18.5911, 18.2198, 21.7300



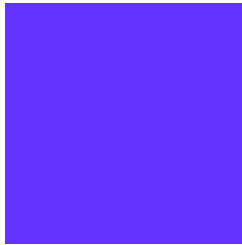
26.6108, 13.1336, 27.6646



2.6341, 1.2960, 2.9208

Previews

White Background



This preview shows how the XYZ color 24.6007, 12.3544, 95.6958 looks on a white background.

Color Contrast Check

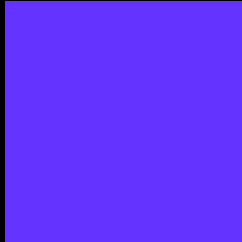
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6007, 12.3544, 95.6958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

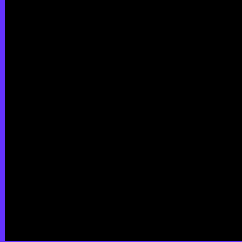
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.6007, 12.3544, 95.6958

Background



This preview shows how black text looks on a background with the XYZ color 24.6007, 12.3544, 95.6958.



This preview shows how white text looks on a background with the XYZ color 24.6007, 12.3544,

95.6958.

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

24.6007, 12.3544, 95.6958

Protanopia

14.3115, 12.1289, 55.6196

Deuteranopia

11.9094, 12.2096, 39.7592



Tritanopia

9.1106, 12.2932, 18.4156

Trichromacy



Original Color

24.6007, 12.3544, 95.6958



Protanomaly

16.2735, 10.9566, 68.2750



Deuteranomaly

14.3988, 10.7969, 56.5834



Tritanomaly

12.0706, 10.4763, 37.9451

Monochromacy



Original Color

24.6007, 12.3544, 95.6958



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

12.4551, 9.5292, 29.6166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6007, 12.3544, 95.6958 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(101, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 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(101, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.6007, 12.3544, 95.6958 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(101, 51, 255) }
```


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

```
.border{ border-color:rgb(101, 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(101, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6007, 12.3544, 95.6958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 51, 255) }
```

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

```
.background{ background-color: rgb(101, 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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