

Converting Colors

XYZ(24.7165, 10.6567, 95.3620)

Have a look what the booklet for
XYZ(24.7165, 10.6567, 95.3620)
contains.

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Color

**XYZ(24.7321, 10.6647,
95.3627)**

Conversions

Conversions Part 1

Format	Color
Hex	7000FF
RGB	112, 0, 255
RGB Percent	44%, 0%, 100%
CMY	0.5608, 1.0000, 0.0000
CMYK	0.56, 1.00, 0.00, 0.00
HSL	266°, 100%, 50%
HSV	266°, 100%, 100%
XYZ	24.7321, 10.6647, 95.3627
YIQ	62.5580, -15.1030, 103.0490

Conversions

Conversions Part 2

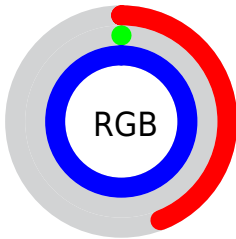
Format	Color
RYB	112, 0, 255
Decimal	7340287
CIELab	39.01, 82.10, -96.51
CIELCh	39, 126.705, 310.388
Yxy	10.6647, 0.1891, 0.0816
Android (android.graphics.Color)	4285530367 (0xFF7000FF)
YUV	62.5580, 94.8739, 43.3606
Hunter-Lab	32.6569, 78.0344, -150.2755

Details

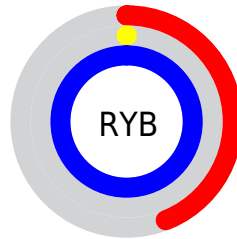
The XYZ color **24.7321, 10.6647, 95.3627** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **47.0864, 77.3590, 12.4501**, and the grayscale version is **4.5286, 4.7645, 5.1885**.

A 20% lighter version of the original color is **39.3525, 22.5698, 96.8900**, and **10.2731, 4.1450, 52.4832** is the 20% darker color. If you saturate the color by 10%, you get **24.7330, 10.6652, 95.3628**, and if you desaturate by 10%, it is **27.0579, 12.3958, 95.5743**.

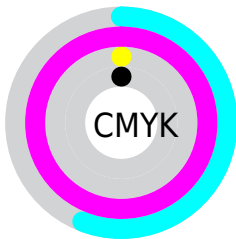
Distribution



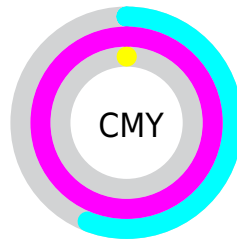
- Red (44%)
- Green (0%)
- Blue (100%)



- Red (44%)
- Yellow (0%)
- Blue (100%)



- Cyan (56%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7321, 10.6647, 95.3627 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 24.7321, 10.6647, 95.3627 by changing the saturation by 10% instead.


 24.7321, 10.6647,
95.3627


 24.7321, 10.6647,
95.3627


268.8735,
195.3525, 566.3394


 16.0052, 5.8418,
71.8383


 50.6683, 27.0385,
156.7655


 9.6187, 2.7492,
52.5406

 68.6084, 39.3581,
195.4810

 5.2072, 1.0022,
37.0509


 90.3502, 54.9456,
240.0973

 2.4054, 0.0000,
24.9508

 116.2592, 74.1851,
291.0329

 0.8478, 0.0000,
15.8217

 146.7006, 97.4612,
348.7064

 0.0000, 0.0000,
9.2451

 182.0399,

 0.0000, 0.0000,

125.1582, 413.5363

4.8024

222.6424,
157.6605, 485.9411

■ 0.0000, 0.0000,
2.0751

■ 0.0000, 0.0000,
0.6009

■ 24.7321, 10.6647,
95.3627

■ 24.7321, 10.6647,
95.3627

■ 24.7330, 10.6652,
95.3628

■ 27.0579, 12.3958,
95.5743

■ 30.1514, 15.2159,
95.9555

■ 34.1684, 19.4172,
96.5548

■ 39.2075, 25.1804,
97.4016

■ 45.3526, 32.6574,
98.5209

■ 52.6780, 41.9815,
99.9345

■ 61.2509, 53.2724,
101.6621

■ 71.1330, 66.6395,
103.7213

■ 82.3814, 82.1839,
106.1288

Harmonies

Analogous

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



13.3578, 10.6647, 143.8847



24.7321, 10.6647, 95.3627



34.4415, 10.6647, 35.2846

Triad

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



24.7321, 10.6647, 95.3627



16.6277, 10.6647, 0.0000



1.0822, 10.6647, 22.1866

Complementary

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



24.7321, 10.6647, 95.3627



47.0864, 77.3590, 12.4501

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.



1.2416, 10.6647, 1.9487



24.7321, 10.6647, 95.3627



7.4798, 10.6647, 0.0000

Square

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



24.7321, 10.6647, 95.3627



28.2349, 10.6647, 0.0000



2.8322, 10.6647, 0.0000



2.1135, 10.6647, 75.4008

Rectangle

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



24.7321, 10.6647, 95.3627



36.6156, 10.6647, 11.3001



2.8322, 10.6647, 0.0000



1.0234, 10.6647, 11.9297

Sweetspot

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



24.7330, 10.6652, 95.3628



61.2509, 53.2724, 101.6621



28.0992, 27.3183, 98.3997



12.3031, 10.3307, 21.5955



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.



24.7330, 10.6652, 95.3628



53.3099, 25.3971, 96.7001



17.7601, 17.7681, 22.7435



13.0882, 5.6577, 49.8368



1.3973, 0.6142, 4.8582

Inverse Universe

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



46.1974, 23.2429, 28.0351



35.9912, 71.6392, 11.9308



18.4360, 18.1577, 20.9129



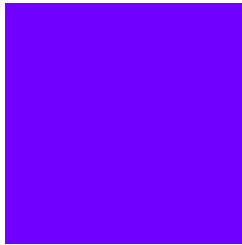
24.2155, 12.1755, 15.0512



2.4127, 1.2075, 1.7549

Previews

White Background



This preview shows how the XYZ color 24.7321, 10.6647, 95.3627 looks on a white background.

Color Contrast Check

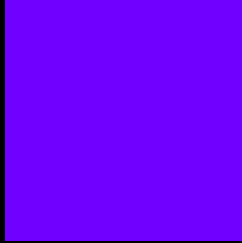
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7321, 10.6647, 95.3627 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 24.7321, 10.6647, 95.3627

Background



This preview shows how black text looks on a background with the XYZ color 24.7321, 10.6647, 95.3627.



This preview shows how white text looks on a background with the XYZ color 24.7321, 10.6647,

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

24.7321, 10.6647, 95.3627

Protanopia

12.7333, 10.9432, 49.0181

Tritanopia

8.8606, 10.8848, 15.5439

Trichromacy



Original Color

24.7321, 10.6647, 95.3627

Protanomaly

14.2612, 8.1511, 63.1090

Tritanomaly

11.3524, 7.7479, 34.6154

Monochromacy



Original Color

24.7321, 10.6647, 95.3627

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

8.3858, 4.9604, 22.7058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7321, 10.6647, 95.3627 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(112, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 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(112, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.7321, 10.6647, 95.3627 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(112, 0, 255) }
```

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

```
.border{ border-color:rgb(112, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(112, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7321, 10.6647, 95.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 255) }
```

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

```
.background{ background-color: rgb(112, 0,  
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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