

Converting Colors

XYZ(25.2220, 12.5138, 95.6938)

Have a look what the booklet for
XYZ(25.2220, 12.5138, 95.6938)
contains.

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Color

**XYZ(25.1704, 12.4597,
95.6861)**

Conversions

Conversions Part 1

Format	Color
Hex	6B30FF
RGB	107, 48, 255
RGB Percent	42%, 19%, 100%
CMY	0.5804, 0.8118, 0.0000
CMYK	0.58, 0.81, 0.00, 0.00
HSL	257°, 100%, 59%
HSV	257°, 81%, 100%
XYZ	25.1704, 12.4597, 95.6861
YIQ	89.2390, -31.2830, 76.8850

Conversions

Conversions Part 2

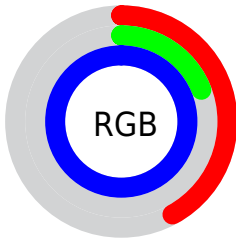
Format	Color
R _Y B	107, 48, 255
Decimal	7024895
CIE Lab	41.94, 71.35, -91.68
CIE LCh	42, 116.173, 307.894
Yxy	12.4597, 0.1888, 0.0935
Android (android.graphics.Color)	4285214975 (0xFF6B30FF)
YUV	89.2390, 81.7202, 15.5764
Hunter-Lab	35.2983, 65.5122, -136.0136

Details

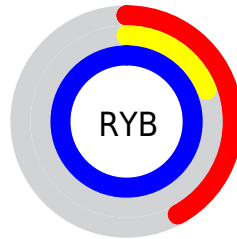
The XYZ color **25.1704, 12.4597, 95.6861** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **59.0554, 83.4676, 15.7942**, and the grayscale version is **9.3786, 9.8670, 10.7452**.

A 20% lighter version of the original color is **39.9135, 25.6912, 97.4630**, and **10.1782, 4.0828, 53.0749** is the 20% darker color. If you saturate the color by 10%, you get **22.4450, 9.9258, 95.3406**, and if you desaturate by 10%, it is **28.9576, 16.4285, 96.2525**.

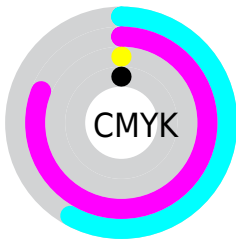
Distribution



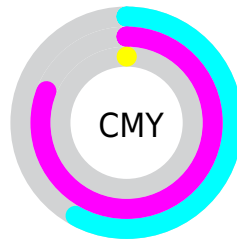
- Red (42%)
- Green (19%)
- Blue (100%)



- Red (42%)
- Yellow (19%)
- Blue (100%)



- Cyan (58%)
- Magenta (81%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (81%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.1704, 12.4597, 95.6861 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 25.1704, 12.4597, 95.6861 by changing the saturation by 10% instead.


 25.1704, 12.4597,
95.6861

 25.1704, 12.4597,
95.6861


271.0175,
207.4253, 567.3995

 16.3335, 7.0576,
72.1061

 51.3744, 30.3296,
157.2159


 9.8528, 3.4981,
52.7580


 69.4722, 43.5662,
196.0027


 5.3630, 1.3970,
37.2232


 91.3877, 60.1831,
240.6956

 2.4987, 0.2145,
25.0832

 117.4862, 80.5646,
291.7131

 0.8946, 0.0000,
15.9195

 148.1331,
105.0952, 349.4736

 0.0000, 0.0000,
9.3135

 183.6937,

 0.0000, 0.0000,

134.1593, 414.3959

4.8466

224.5334,
168.1412, 486.8983

■ 0.0000, 0.0000,
2.1004

■ 0.0000, 0.0000,
0.6160

■ 25.1704, 12.4597,
95.6861

■ 25.1704, 12.4597,
95.6861

■ 22.4450, 9.9258,
95.3406

■ 28.9576, 16.4285,
96.2525

■ 20.7745, 8.6245,
95.1775

■ 33.9206, 22.0246,
97.0711

■ 40.1594, 29.4100,
98.1678

■ 47.7620, 38.7265,
99.5654

■ 56.8079, 50.1012,
101.2841

■ 67.3705, 63.6503,
103.3427

■ 79.5179, 79.4810,
105.7581

■ 93.3137, 97.6936,
108.5463

■ 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.



14.2607, 12.4597, 135.1975



25.1704, 12.4597, 95.6861



34.7026, 12.4597, 40.3109

Triad

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



25.1704, 12.4597, 95.6861



19.2143, 12.4597, 0.0000



1.8567, 12.4597, 21.1613

Complementary

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



25.1704, 12.4597, 95.6861



59.0554, 83.4676, 15.7942

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.



2.1817, 12.4597, 2.4127



25.1704, 12.4597, 95.6861



9.7145, 12.4597, 0.0000

Square

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



25.1704, 12.4597, 95.6861



30.2587, 12.4597, 0.0665



4.3156, 12.4597, 0.0000



3.0022, 12.4597, 68.3498

Rectangle

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



25.1704, 12.4597, 95.6861



37.2263, 12.4597, 15.3809



4.3156, 12.4597, 0.0000



1.8147, 12.4597, 11.9007

Sweetspot

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



25.1712, 12.4599, 95.6861



64.2320, 59.5999, 102.7263



39.0875, 47.4858, 101.7133



12.9382, 11.7171, 21.8297



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.



25.1712, 12.4599, 95.6861



21.2883, 9.0127, 95.2253



45.7277, 23.0572, 96.6481



17.4893, 17.6284, 22.7308



10.9809, 4.5714, 49.7382



1.1710, 0.4976, 4.8476

Inverse Universe

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



52.2593, 27.3586, 54.7440



50.0259, 24.9072, 47.7863



40.7922, 74.0526, 14.9395



18.5589, 18.2069, 21.5603



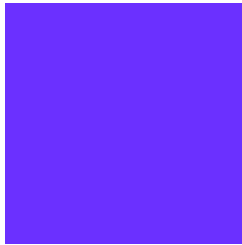
26.0448, 12.9072, 24.6839



2.5830, 1.2756, 2.6513

Previews

White Background



This preview shows how the XYZ color 25.1704, 12.4597, 95.6861 looks on a white background.

Color Contrast Check

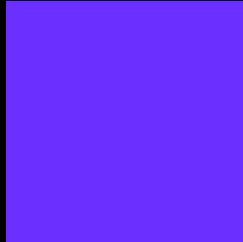
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1704, 12.4597, 95.6861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

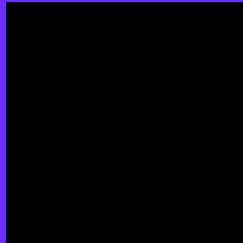
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.1704, 12.4597, 95.6861

Background



This preview shows how black text looks on a background with the XYZ color 25.1704, 12.4597, 95.6861.



This preview shows how white text looks on a background with the XYZ color 25.1704, 12.4597,

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

25.1704, 12.4597, 95.6861

Protanopia

14.5175, 12.3545, 56.2631

Deuteranopia

12.0044, 12.2476, 40.2594



Tritanopia

9.6188, 12.4062, 18.1073

Trichromacy



Original Color

25.1704, 12.4597, 95.6861

Protanomaly

16.4794, 11.0474, 68.9740

Deuteranomaly

14.5147, 10.7302, 57.1832

Tritanomaly

12.7365, 10.7108, 37.4725

Monochromacy



Original Color

25.1704, 12.4597, 95.6861

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

12.6975, 9.5543, 29.6087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1704, 12.4597, 95.6861 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, 48, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 48, 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(107, 48, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 48, 255) }
```

Border

The CSS property to change the border of an element to XYZ 25.1704, 12.4597, 95.6861 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, 48, 255) }
```


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

```
.border{ border-color:rgb(107, 48, 255) }
```

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

Here you see how a box with a 4 pixel rgb(107, 48, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 48, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 48, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 48,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1704, 12.4597, 95.6861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 48, 255) }
```

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

```
.background{ background-color: rgb(107, 48,  
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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