

Converting Colors

XYZ(25.1267, 12.0460, 95.6085)

Have a look what the booklet for
XYZ(25.1267, 12.0460, 95.6085)
contains.

XYZ(25.1496, 12.0571, 95.6095)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.1496, 12.0571,
95.6095)**

Conversions

Conversions Part 1

Format	Color
Hex	6D29FF
RGB	109, 41, 255
RGB Percent	43%, 16%, 100%
CMY	0.5725, 0.8392, 0.0000
CMYK	0.57, 0.84, 0.00, 0.00
HSL	259°, 100%, 58%
HSV	259°, 84%, 100%
XYZ	25.1496, 12.0571, 95.6095
YIQ	85.7280, -28.1660, 80.9700

Conversions

Conversions Part 2

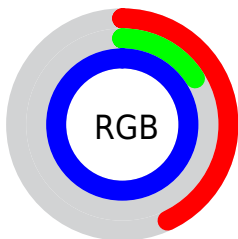
Format	Color
R _Y B	109, 41, 255
Decimal	7154175
CIE Lab	41.31, 73.99, -92.71
CIE LCh	41, 118.615, 308.590
Yxy	12.0571, 0.1894, 0.0908
Android (android.graphics.Color)	4285344255 (0xFF6D29FF)
YUV	85.7280, 83.4511, 20.4095
Hunter-Lab	34.7233, 68.5191, -138.9466

Details

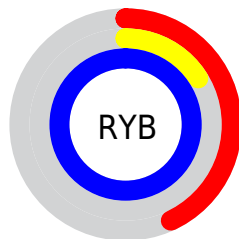
The XYZ color **25.1496, 12.0571, 95.6095** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **56.6511, 82.2435, 14.9863**, and the grayscale version is **8.6220, 9.0710, 9.8783**.

A 20% lighter version of the original color is **39.8732, 24.9540, 97.3228**, and **10.2917, 4.1414, 53.0803** is the 20% darker color. If you saturate the color by 10%, you get **22.6028, 9.8312, 95.3140**, and if you desaturate by 10%, it is **28.6911, 15.6410, 96.1146**.

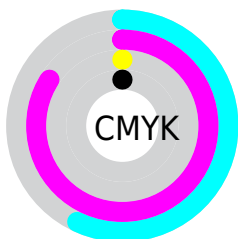
Distribution



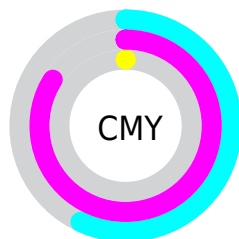
- Red (43%)
- Green (16%)
- Blue (100%)



- Red (43%)
- Yellow (16%)
- Blue (100%)



- Cyan (57%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (84%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1496, 12.0571, 95.6095 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 25.1496, 12.0571, 95.6095 by changing the saturation by 10% instead.

■ 25.1496, 12.0571,
95.6095

■ 25.1496, 12.0571,
95.6095

270.9161,
204.7829, 567.1485

■ 16.3179, 6.7826,
72.0427

■ 51.3410, 29.5991,
157.1092

■ 9.8416, 3.3265,
52.7065

■ 69.4313, 42.6353,
195.8792

■ 5.3555, 1.3045,
37.1824

■ 91.3386, 59.0275,
240.5539

■ 2.4942, 0.1447,
25.0519

■ 117.4281, 79.1602,
291.5520

■ 0.8923, 0.0000,
15.8963

■ 148.0653,
103.4177, 349.2920

■ 0.0000, 0.0000,
9.2973

■ 183.6154,

■ 0.0000, 0.0000,

132.1844, 414.1923

4.8361

224.4439,
165.8447, 486.6717

■ 0.0000, 0.0000,
2.0944

■ 0.0000, 0.0000,
0.6124

■ 25.1496, 12.0571,
95.6095

■ 25.1496, 12.0571,
95.6095

■ 22.6028, 9.8312,
95.3140

■ 28.6911, 15.6410,
96.1146

■ 21.4467, 8.9711,
95.2090

■ 33.3434, 20.7849,
96.8622

■ 39.2066, 27.6560,
97.8795

■ 46.3680, 36.3990,
99.1896

■ 54.9062, 47.1430,
100.8134

■ 64.8930, 60.0056,
102.7697

■ 76.3952, 75.0948,
105.0760

■ 89.4751, 92.5113,
107.7484

■ 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.



14.1068, 12.0571, 137.3321



25.1496, 12.0571, 95.6095



34.7251, 12.0571, 39.0565

Triad

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



25.1496, 12.0571, 95.6095



18.6046, 12.0571, 0.0000



1.6600, 12.0571, 21.5319

Complementary

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



25.1496, 12.0571, 95.6095



56.6511, 82.2435, 14.9863

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.



1.9373, 12.0571, 2.3274



25.1496, 12.0571, 95.6095



9.1667, 12.0571, 0.0000

Square

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



25.1496, 12.0571, 95.6095



29.8135, 12.0571, 0.0000



3.9388, 12.0571, 0.0000



2.7933, 12.0571, 70.2142

Rectangle

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



25.1496, 12.0571, 95.6095



37.1549, 12.0571, 14.3265



3.9388, 12.0571, 0.0000



1.6108, 12.0571, 11.9985

Sweetspot

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



25.1504, 12.0573, 95.6095



63.7456, 58.5150, 102.5425



36.7839, 43.3306, 101.0327



12.8691, 11.5220, 21.7956



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.



25.1504, 12.0573, 95.6095



21.4467, 8.9711, 95.2090



47.0926, 23.3690, 96.6363



17.5463, 17.6578, 22.7335



11.3424, 4.7577, 49.7551



1.2121, 0.5188, 4.8495

Inverse Universe

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



51.0013, 26.4330, 49.4218



48.8762, 24.3145, 42.1414



39.4879, 73.3956, 14.1830



18.5326, 18.1963, 21.4218



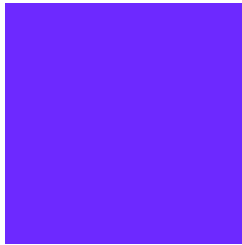
25.6097, 12.7332, 22.3930



2.5432, 1.2597, 2.4420

Previews

White Background



This preview shows how the XYZ color 25.1496, 12.0571, 95.6095 looks on a white background.

Color Contrast Check

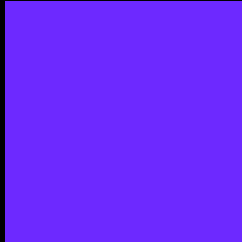
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1496, 12.0571, 95.6095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

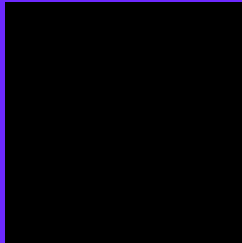
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.1496, 12.0571, 95.6095

Background



This preview shows how black text looks on a background with the XYZ color 25.1496, 12.0571, 95.6095.



This preview shows how white text looks on a background with the XYZ color 25.1496, 12.0571,

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

25.1496, 12.0571, 95.6095

Protanopia

14.0807, 12.0366, 54.4045

Deuteranopia

11.6251, 11.9415, 38.7380



Tritanopia

9.3991, 11.8498, 17.4146

Trichromacy



Original Color

25.1496, 12.0571, 95.6095

Protanomaly

16.0460, 10.5452, 67.5194

Deuteranomaly

14.0964, 10.2132, 55.8720

Tritanomaly

12.4816, 10.0179, 36.8731

Monochromacy



Original Color

25.1496, 12.0571, 95.6095

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

12.0727, 8.8666, 28.6789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1496, 12.0571, 95.6095 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(109, 41, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 41, 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(109, 41, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 41, 255) }
```

Border

The CSS property to change the border of an element to XYZ 25.1496, 12.0571, 95.6095 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(109, 41, 255) }
```


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

```
.border{ border-color:rgb(109, 41, 255) }
```

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

Here you see how a box with a 4 pixel rgb(109, 41, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 41, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 41, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 41,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1496, 12.0571, 95.6095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 41, 255) }
```

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

```
.background{ background-color: rgb(109, 41,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor