

Converting Colors

XYZ(24.9167, 14.3832, 91.2132)

Have a look what the booklet for
XYZ(24.9167, 14.3832, 91.2132)
contains.

XYZ(24.9609, 14.4294, 91.0921)	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(24.9609, 14.4294,
91.0921)**

Conversions

Conversions Part 1

Format	Color
Hex	6649F9
RGB	102, 73, 249
RGB Percent	40%, 29%, 98%
CMY	0.6000, 0.7137, 0.0235
CMYK	0.59, 0.71, 0.00, 0.02
HSL	250°, 94%, 63%
HSV	250°, 71%, 98%
XYZ	24.9609, 14.4294, 91.0921
YIQ	101.7350, -39.2120, 60.8840

Conversions

Conversions Part 2

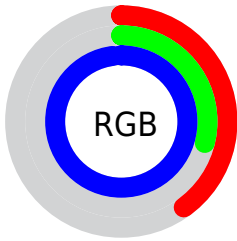
Format	Color
R_{YB}	102, 73, 249
Decimal	6703609
CIE _{Lab}	44.84, 57.94, -83.55
CIE _{LCh}	45, 101.676, 304.740
Yxy	14.4294, 0.1913, 0.1106
Android (android.graphics.Color)	4284893689 (0xFF6649F9)
YUV	101.7350, 72.6016, 0.2324
Hunter-Lab	37.9861, 50.8180, -115.5896

Details

The XYZ color **24.9609, 14.4294, 91.0921** 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 **64.5911, 83.4470, 19.0057**, and the grayscale version is **12.3854, 13.0304, 14.1901**.

A 20% lighter version of the original color is **40.9835, 29.7423, 98.1885**, and **9.7284, 4.3548, 49.6180** is the 20% darker color. If you saturate the color by 10%, you get **21.5714, 10.7203, 90.5552**, and if you desaturate by 10%, it is **29.5975, 19.7525, 91.8756**.

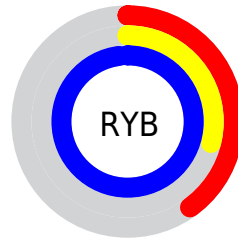
Distribution



Red (40%)

Green (29%)

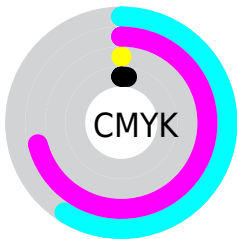
Blue (98%)



Red (40%)

Yellow (29%)

Blue (98%)

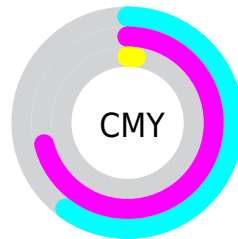


Cyan (59%)

Magenta (71%)

Yellow (0%)

Black (2%)



Cyan (60%)

Magenta (71%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9609, 14.4294, 91.0921 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 24.9609, 14.4294, 91.0921 by changing the saturation by 10% instead.

■ 24.9609, 14.4294,
91.0921

■ 24.9609, 14.4294,
91.0921

269.9944,
219.8860, 552.2385

■ 16.1765, 8.4199,
68.3080

■ 51.0371, 33.8490,
150.8032

■ 9.7408, 4.3648,
49.6801

■ 69.0597, 48.0279,
188.5672

■ 5.2884, 1.8796,
34.7899

■ 90.8923, 65.6988,
232.1617

■ 2.4539, 0.5361,
23.2188

■ 116.9004, 87.2460,
282.0050

■ 0.8721, 0.0000,
14.5483

■ 147.4493,
113.0539, 338.5159

■ 0.0000, 0.0000,
8.3599

182.9044,

■ 0.0000, 0.0000,

143.5070, 402.1127

4.2351

223.6309,
178.9896, 473.2141

■ 0.0000, 0.0000,
1.7552

■ 0.0000, 0.0000,
0.3981

■ 24.9609, 14.4294,
91.0921

■ 24.9609, 14.4294,
91.0921

■ 21.5714, 10.7203,
90.5552

■ 29.5975, 19.7525,
91.8756

■ 19.2980, 8.4339,
90.2337

■ 35.5888, 26.8490,
92.9296

■ 18.0150, 7.3118,
90.0848

■ 43.0333, 35.8597,
94.2764

■ 52.0196, 46.9113,
95.9360

■ 62.6289, 60.1191,
97.9262

■ 74.9367, 75.5901,
100.2637

■ 89.0138, 93.4239,
102.9640

■ 94.0990, 99.6196,
103.8919

Harmonies

Analogous

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



15.0754, 14.4294, 119.3770



24.9609, 14.4294, 91.0921



33.7906, 14.4294, 44.3814

Triad

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



24.9609, 14.4294, 91.0921



21.7101, 14.4294, 0.0000



3.1688, 14.4294, 19.7963

Complementary

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



24.9609, 14.4294, 91.0921



64.5911, 83.4470, 19.0057

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.



3.7555, 14.4294, 3.1678



24.9609, 14.4294, 91.0921



12.4384, 14.4294, 0.0000

Square

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



24.9609, 14.4294, 91.0921



31.4428, 14.4294, 1.4096



6.4851, 14.4294, 0.0000



4.3391, 14.4294, 58.7704

Rectangle

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



24.9609, 14.4294, 91.0921



36.5209, 14.4294, 20.2829



6.4851, 14.4294, 0.0000



3.1735, 14.4294, 11.8839

Sweetspot

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



24.9618, 14.4297, 91.0925



65.6987, 62.9456, 103.2948



46.1275, 60.8180, 98.9308



13.3654, 12.6026, 21.9781



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.



24.9618, 14.4297, 91.0925



21.5732, 10.0771, 95.4158



40.0729, 22.2198, 91.7997



16.5495, 16.7804, 21.7520



9.7209, 3.9540, 48.2244



0.9740, 0.4042, 4.4699

Inverse Universe

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



54.3667, 30.0716, 70.6434



54.7636, 27.7912, 69.6858



45.0057, 73.3504, 18.0891



17.8630, 17.4725, 21.1341



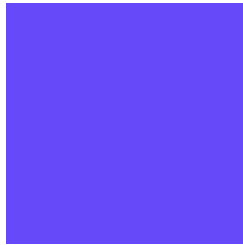
27.0489, 13.2353, 33.2958



2.5368, 1.2385, 3.2504

Previews

White Background



This preview shows how the XYZ color 24.9609, 14.4294, 91.0921 looks on a white background.

Color Contrast Check

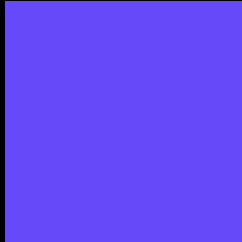
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9609, 14.4294, 91.0921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

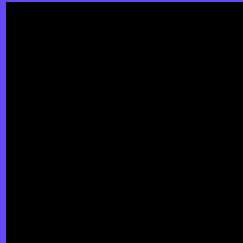
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.9609, 14.4294, 91.0921

Background



This preview shows how black text looks on a background with the XYZ color 24.9609, 14.4294, 91.0921.



This preview shows how white text looks on a background with the XYZ color 24.9609, 14.4294,

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

24.9609, 14.4294, 91.0921

Protanopia

17.0171, 14.4090, 66.1743

Deuteranopia

14.0143, 14.1858, 47.3469



Tritanopia

10.9411, 14.3210, 21.2564

Trichromacy



Original Color

24.9609, 14.4294, 91.0921



Protanomaly

18.3692, 13.4215, 74.2955



Deuteranomaly

16.2403, 13.1318, 61.3532



Tritanomaly

14.0333, 13.1722, 39.3390

Monochromacy



Original Color

24.9609, 14.4294, 91.0921



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

15.1370, 12.6735, 32.6588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9609, 14.4294, 91.0921 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, 73, 249)` looks like.

```
.text, #text, p{  
    color:rgb(102, 73, 249)  
}
```

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, 73, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 73, 249) }
```

Border

The CSS property to change the border of an element to XYZ 24.9609, 14.4294, 91.0921 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, 73, 249) }
```


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

```
.border{ border-color:rgb(102, 73, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 73, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 73, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 73, 249);  
box-shadow:4px 4px 4px 4px rgb(102, 73,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9609, 14.4294, 91.0921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 73, 249) }
```

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

```
.background{ background-color: rgb(102, 73,  
249) }
```

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