

Converting Colors

XYZ(23.9386, 14.5128, 96.1473)

Have a look what the booklet for
XYZ(23.9386, 14.5128, 96.1473)
contains.

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Color

**XYZ(23.9792, 14.5351,
96.1495)**

Conversions

Conversions Part 1

Format	Color
Hex	4D50FF
RGB	77, 80, 255
RGB Percent	30%, 31%, 100%
CMY	0.6980, 0.6863, 0.0000
CMYK	0.70, 0.69, 0.00, 0.00
HSL	239°, 100%, 65%
HSV	239°, 70%, 100%
XYZ	23.9792, 14.5351, 96.1495
YIQ	99.0530, -57.9630, 53.7890

Conversions

Conversions Part 2

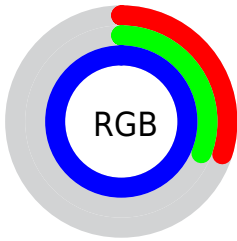
Format	Color
R _Y B	77, 80, 255
Decimal	5067007
CIE Lab	44.99, 53.05, -86.72
CIE LCh	45, 101.659, 301.454
Yxy	14.5351, 0.1781, 0.1079
Android (android.graphics.Color)	4283257087 (0xFF4D50FF)
YUV	99.0530, 76.8819, -19.3405
Hunter-Lab	38.1249, 45.5514, -122.8395

Details

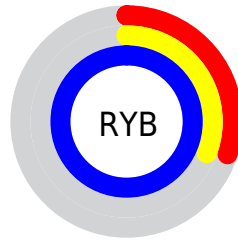
The XYZ color **23.9792, 14.5351, 96.1495** is a dark color, and the websafe version is hex **3333CC**. The color can be described as middle washed blue. A complement of this color would be **77.3942, 91.4245, 20.5908**, and the grayscale version is **11.6971, 12.3063, 13.4016**.

A 20% lighter version of the original color is **38.0653, 29.3883, 98.2740**, and **10.6219, 5.1189, 53.2515** is the 20% darker color. If you saturate the color by 10%, you get **20.8038, 10.6626, 95.5693**, and if you desaturate by 10%, it is **28.6463, 20.1923, 96.9954**.

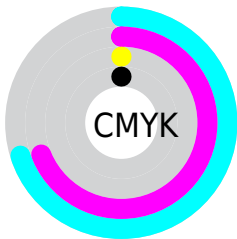
Distribution



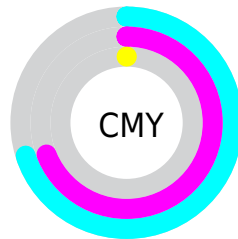
- Red (30%)
- Green (31%)
- Blue (100%)



- Red (30%)
- Yellow (31%)
- Blue (100%)



- Cyan (70%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9792, 14.5351, 96.1495 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 23.9792, 14.5351, 96.1495 by changing the saturation by 10% instead.


 23.9792, 14.5351,
96.1495


 23.9792, 14.5351,
96.1495


265.1577,
220.5348, 568.9165


 15.4428, 8.4938,
72.4899


 49.4512, 34.0355,
157.8609


 9.2191, 4.4125,
53.0697


 67.1175, 48.2634,
196.7499


 4.9426, 1.9069,
37.4703


 88.5579, 65.9889,
241.5523

 2.2480, 0.5525,
25.2732

 114.1376, 87.5964,
292.6869

 0.7679, 0.0000,
16.0598

 144.2222,
113.4704, 350.5720

 0.0000, 0.0000,
9.4117

179.1768,

 0.0000, 0.0000,

143.9952, 415.6263

4.9102

219.3668,
179.5552, 488.2683

■ 0.0000, 0.0000,
2.1369

■ 0.0000, 0.0000,
0.6376

■ 23.9792, 14.5351,
96.1495

■ 23.9792, 14.5351,
96.1495

■ 20.8038, 10.6626,
95.5693

■ 28.6463, 20.1923,
96.9954

■ 18.9369, 8.3610,
95.2235

■ 34.9553, 27.8133,
98.1339

■ 18.1083, 7.3271,
95.0676

■ 43.0406, 37.5563,
99.5883

■ 18.0965, 7.3129,
95.0655

■ 53.0221, 49.5633,
101.3799

■ 65.0093, 63.9640,
103.5277

■ 79.1034, 80.8783,
106.0496

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.



14.2258, 14.5351, 120.3416



23.9792, 14.5351, 96.1495



33.2175, 14.5351, 49.4537

Triad

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



23.9792, 14.5351, 96.1495



22.9763, 14.5351, 0.0000



3.1889, 14.5351, 17.0196

Complementary

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



23.9792, 14.5351, 96.1495



77.3942, 91.4245, 20.5908

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.



3.9774, 14.5351, 2.4648



23.9792, 14.5351, 96.1495



13.4125, 14.5351, 0.0000

Square

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



23.9792, 14.5351, 96.1495



32.4931, 14.5351, 1.9258



7.0262, 14.5351, 0.0000



4.1574, 14.5351, 53.8912

Rectangle

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



23.9792, 14.5351, 96.1495



36.4974, 14.5351, 23.6742



7.0262, 14.5351, 0.0000



3.2544, 14.5351, 9.9382

Sweetspot

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



23.9800, 14.5354, 96.1495



63.4610, 62.1049, 103.2504



55.9308, 79.9420, 102.1598



12.8454, 12.4069, 21.9677



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.



23.9800, 14.5354, 96.1495



19.8720, 9.5183, 95.3976



35.2163, 20.0103, 96.6140



17.0275, 17.4266, 22.7162



9.4664, 3.8423, 49.6773



0.9299, 0.3906, 4.8396

Inverse Universe

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



45.3426, 27.1485, 10.4395



42.4881, 23.0169, 4.6254



54.0997, 80.8197, 19.7716



18.0218, 17.9920, 18.7318



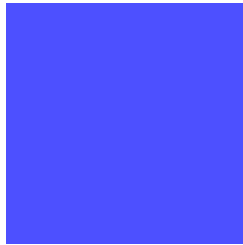
21.5664, 11.1158, 1.1011



2.1040, 1.0840, 0.1291

Previews

White Background



This preview shows how the XYZ color 23.9792, 14.5351, 96.1495 looks on a white background.

Color Contrast Check

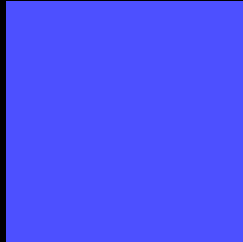
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9792, 14.5351, 96.1495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

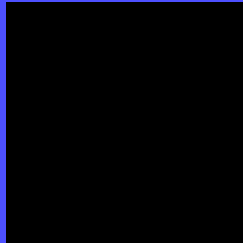
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.9792, 14.5351, 96.1495

Background



This preview shows how black text looks on a background with the XYZ color 23.9792, 14.5351, 96.1495.



This preview shows how white text looks on a background with the XYZ color 23.9792, 14.5351,

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

23.9792, 14.5351, 96.1495

Protanopia

17.0171, 14.4090, 66.1743

Deuteranopia

14.0143, 14.1858, 47.3469



Tritanopia

10.0630, 14.2032, 21.6132

Trichromacy



Original Color

23.9792, 14.5351, 96.1495



Protanomaly

18.7645, 13.9655, 76.5695



Deuteranomaly

16.4794, 13.6354, 62.7361



Tritanomaly

12.8756, 13.1261, 40.8847

Monochromacy



Original Color

23.9792, 14.5351, 96.1495



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

14.1423, 12.2787, 33.0771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9792, 14.5351, 96.1495 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(77, 80, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 80, 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(77, 80, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 80, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.9792, 14.5351, 96.1495 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(77, 80, 255) }
```


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

```
.border{ border-color:rgb(77, 80, 255) }
```

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

Here you see how a box with a 4 pixel rgb(77, 80, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 80, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 80, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 80,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9792, 14.5351, 96.1495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 80, 255) }
```

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

```
.background{ background-color: rgb(77, 80,  
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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