

Converting Colors

XYZ(21.9540, 14.5364, 96.2565)

Have a look what the booklet for
XYZ(21.9540, 14.5364, 96.2565)
contains.

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Color

**XYZ(21.9533, 14.5353,
96.2563)**

Conversions

Conversions Part 1

Format	Color
Hex	1659FF
RGB	22, 89, 255
RGB Percent	9%, 35%, 100%
CMY	0.9135, 0.6510, 0.0000
CMYK	0.91, 0.65, 0.00, 0.00
HSL	223°, 100%, 54%
HSV	223°, 91%, 100%
XYZ	21.9533, 14.5353, 96.2563
YIQ	87.8910, -93.2180, 37.4220

Conversions

Conversions Part 2

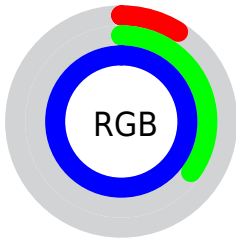
Format	Color
R_{YB}	22, 74, 255
Decimal	1464831
CIE _{Lab}	44.99, 43.89, -86.79
CIE _{LCh}	45, 97.256, 296.823
Yxy	14.5353, 0.1654, 0.1095
Android (android.graphics.Color)	4279654911 (0xFF1659FF)
YUV	87.8910, 82.3847, -57.7864
Hunter-Lab	38.1252, 36.0650, -123.0044

Details

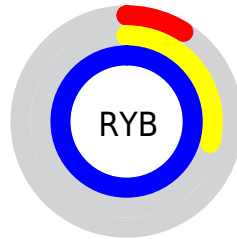
The XYZ color **21.9533, 14.5353, 96.2563** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **59.3789, 57.3053, 8.6928**, and the grayscale version is **9.0962, 9.5699, 10.4216**.

A 20% lighter version of the original color is **34.8904, 29.6072, 98.4836**, and **11.0164, 5.9080, 53.3830** is the 20% darker color. If you saturate the color by 10%, you get **20.4515, 12.0230, 95.8505**, and if you desaturate by 10%, it is **24.5230, 18.3881, 96.8645**.

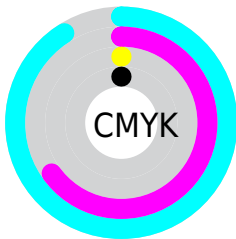
Distribution



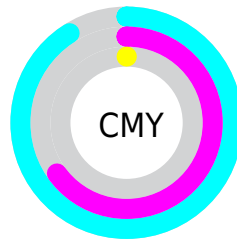
- Red (9%)
- Green (35%)
- Blue (100%)



- Red (9%)
- Yellow (29%)
- Blue (100%)



- Cyan (91%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)



- Cyan (91%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9533, 14.5353, 96.2563 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 21.9533, 14.5353, 96.2563 by changing the saturation by 10% instead.

■ 21.9533, 14.5353,
96.2563

■ 21.9533, 14.5353,
96.2563

254.9392,
220.5360, 569.2659

■ 13.9390, 8.4939,
72.5784

■ 46.1482, 34.0359,
158.0096

■ 8.1597, 4.4126,
53.1416

■ 63.0596, 48.2638,
196.9220

■ 4.2500, 1.9069,
37.5273

■ 83.6673, 65.9894,
241.7497

■ 1.8445, 0.5525,
25.3170

■ 108.3368, 87.5971,
292.9112

■ 0.5443, 0.0000,
16.0922

■ 137.4333,
113.4712, 350.8250

■ 0.0000, 0.0000,
9.4344

171.3224,

■ 0.0000, 0.0000,

143.9961, 415.9097

4.9249

210.3692,
179.5562, 488.5838

■ 0.0000, 0.0000,
2.1453

■ 0.0000, 0.0000,
0.6425

■ 21.9533, 14.5353,
96.2563

■ 21.9533, 14.5353,
96.2563

■ 20.4515, 12.0230,
95.8505

■ 24.5230, 18.3881,
96.8645

■ 28.1780, 23.3919,
97.6377

■ 33.0456, 29.6461,
98.5883

■ 39.2335, 37.2376,
99.7275

■ 46.8362, 46.2447,
101.0653

■ 55.9395, 56.7391,
102.6112

■ 66.6219, 68.7873,
104.3737

■ 78.9563, 82.4516,
106.3610

■ 93.0108, 97.7908,
108.5811

Harmonies

Analogous

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



12.9829, 14.5353, 112.6226



21.9533, 14.5353, 96.2563



31.0326, 14.5353, 54.0704

Triad

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



21.9533, 14.5353, 96.2563



24.0193, 14.5353, 0.0000



3.4647, 14.5353, 13.5153

Complementary

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



21.9533, 14.5353, 96.2563



59.3789, 57.3053, 8.6928

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.



4.5456, 14.5353, 1.9066



21.9533, 14.5353, 96.2563



14.6827, 14.5353, 0.0000

Square

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



21.9533, 14.5353, 96.2563



32.5131, 14.5353, 3.1307



7.9874, 14.5353, 0.0000



4.1525, 14.5353, 45.0608

Rectangle

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



21.9533, 14.5353, 96.2563



34.7678, 14.5353, 28.0957



7.9874, 14.5353, 0.0000



3.6181, 14.5353, 7.7783

Sweetspot

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



21.9541, 14.5355, 96.2563



60.3925, 61.7905, 103.3515



44.8609, 75.1987, 58.1124



12.1736, 12.3725, 21.9965



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.



21.9541, 14.5355, 96.2563



20.4515, 12.0230, 95.8505



20.7664, 9.0476, 95.2596



17.4282, 18.2280, 22.8497



10.7961, 6.5017, 50.1205



1.1399, 0.8104, 4.9096

Inverse Universe

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



43.3309, 22.5568, 11.5209



42.4522, 21.7449, 8.3131



62.0329, 85.0474, 13.9077



18.2240, 18.0729, 19.7968



22.2376, 11.3843, 4.6355



2.2100, 1.1264, 0.6871

Previews

White Background



This preview shows how the XYZ color 21.9533, 14.5353, 96.2563 looks on a white background.

Color Contrast Check

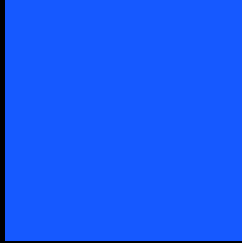
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9533, 14.5353, 96.2563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

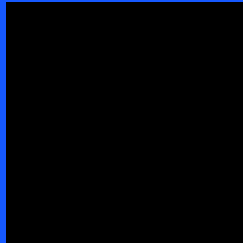
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9533, 14.5353, 96.2563

Background



This preview shows how black text looks on a background with the XYZ color 21.9533, 14.5353, 96.2563.



This preview shows how white text looks on a background with the XYZ color 21.9533, 14.5353,

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

21.9533, 14.5353, 96.2563

Protanopia

17.0171, 14.4090, 66.1743

Deuteranopia

13.9098, 14.1440, 46.7967



Tritanopia

9.9994, 14.1778, 21.2784

Trichromacy



Original Color

21.9533, 14.5353, 96.2563

Protanomaly

18.6578, 14.3142, 76.6425

Deuteranomaly

16.2624, 13.9624, 62.1595

Tritanomaly

12.8042, 13.5456, 40.9694

Monochromacy



Original Color

21.9533, 14.5353, 96.2563

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

11.0289, 10.2394, 29.8289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9533, 14.5353, 96.2563 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(22, 89, 255)` looks like.

```
.text, #text, p{  
    color:rgb(22, 89, 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(22, 89, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 89, 255) }
```

Border

The CSS property to change the border of an element to XYZ 21.9533, 14.5353, 96.2563 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(22, 89, 255) }
```


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

```
.border{ border-color:rgb(22, 89, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 89, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 89, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 89, 255);  
box-shadow:4px 4px 4px 4px rgb(22, 89,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9533, 14.5353, 96.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 89, 255) }
```

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

```
.background{ background-color: rgb(22, 89,  
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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