

Converting Colors

XYZ(20.5614, 14.4096, 75.0964)

Have a look what the booklet for
XYZ(20.5614, 14.4096, 75.0964)
contains.

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Color

**XYZ(20.5614, 14.4096,
75.0964)**

Conversions

Conversions Part 1

Format	Color
Hex	4B5AE4
RGB	75, 90, 228
RGB Percent	29%, 35%, 89%
CMY	0.7058, 0.6471, 0.1059
CMYK	0.67, 0.61, 0.00, 0.11
HSL	234°, 74%, 59%
HSV	234°, 67%, 89%
XYZ	20.5614, 14.4096, 75.0964
YIQ	101.2470, -53.2380, 39.7380

Conversions

Conversions Part 2

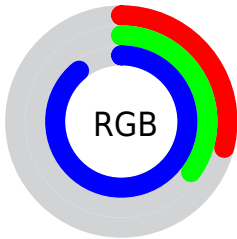
Format	Color
R_{YB}	75, 89, 228
Decimal	4938468
CIE Lab	44.81, 38.02, -71.85
CIE LCh	45, 81.291, 297.885
Yxy	14.4096, 0.1868, 0.1309
Android (android.graphics.Color)	4283128548 (0xFF4B5AE4)
YUV	101.2470, 62.4892, -23.0186
Hunter-Lab	37.9600, 30.2563, -90.7217

Details

The XYZ color **20.5614, 14.4096, 75.0964** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **57.0622, 64.5958, 16.1190**, and the grayscale version is **12.2877, 12.9276, 14.0782**.

A 20% lighter version of the original color is **38.2433, 31.5516, 98.6822**, and **8.2891, 4.8170, 39.0210** is the 20% darker color. If you saturate the color by 10%, you get **17.5855, 10.6469, 74.5273**, and if you desaturate by 10%, it is **24.6573, 19.4619, 75.8561**.

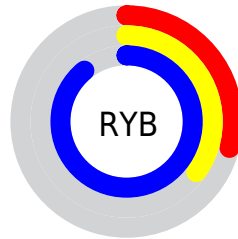
Distribution



Red (29%)

Green (35%)

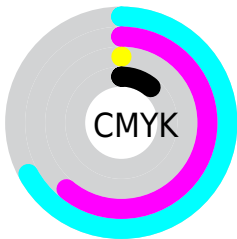
Blue (89%)



Red (29%)

Yellow (35%)

Blue (89%)

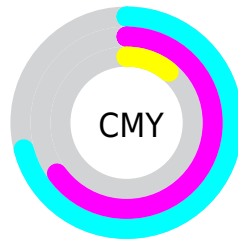


Cyan (67%)

Magenta (61%)

Yellow (0%)

Black (11%)



Cyan (71%)

Magenta (65%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5614, 14.4096, 75.0964 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 20.5614, 14.4096, 75.0964 by changing the saturation by 10% instead.

■ 20.5614, 14.4096,
75.0964

■ 20.5614, 14.4096,
75.0964

247.7144,
219.7643, 497.5131

■ 12.9144, 8.4061,
55.1897

■ 43.8532, 33.8141,
128.1972

■ 7.4462, 4.3559,
39.1540

■ 60.2288, 47.9838,
162.2283

■ 3.7915, 1.8746,
26.5708

■ 80.2446, 65.6444,
201.8046

■ 1.5849, 0.5330,
17.0215

■ 104.2659, 87.1803,
247.3446

■ 0.3825, 0.0000,
10.0877

■ 132.6582,
112.9758, 299.2670

■ 0.0000, 0.0000,
5.3508

165.7868,

■ 0.0000, 0.0000,

143.4154, 357.9901

2.3922

204.0171,
178.8834, 423.9327

■ 0.0000, 0.0000,
0.7822

■ 0.0000, 0.0000,
0.0000

■ 20.5614, 14.4096,
75.0964

■ 20.5614, 14.4096,
75.0964

■ 17.5855, 10.6469,
74.5273

■ 24.6573, 19.4619,
75.8561

■ 15.6148, 8.0542,
74.1308

■ 29.9682, 25.9063,
76.8201

■ 14.5088, 6.4890,
73.8870

■ 36.5816, 33.8362,
78.0021

■ 14.2971, 6.1884,
73.8401

■ 44.5763, 43.3367,
79.4145

■ 54.0247, 54.4863,
81.0686

■ 64.9942, 67.3582,
82.9750

■ 77.5479, 82.0213,
85.1436

■ 90.8533, 98.0808,
87.5421

■ 91.0037, 98.3815,
87.5923

Harmonies

Analogous

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



13.2310, 14.4096, 87.7063



20.5614, 14.4096, 75.0964



27.5710, 14.4096, 44.1838

Triad

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



20.5614, 14.4096, 75.0964



21.6479, 14.4096, 0.5883



4.5011, 14.4096, 14.3810

Complementary

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



20.5614, 14.4096, 75.0964



57.0622, 64.5958, 16.1190

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.



5.4902, 14.4096, 3.1871



20.5614, 14.4096, 75.0964



14.1715, 14.4096, 0.0000

Square

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



20.5614, 14.4096, 75.0964



28.3275, 14.4096, 4.0630



8.5591, 14.4096, 0.3785



5.2385, 14.4096, 39.6934

Rectangle

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



20.5614, 14.4096, 75.0964



30.3132, 14.4096, 24.6621



8.5591, 14.4096, 0.3785



4.6334, 14.4096, 9.2095

Sweetspot

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



20.5622, 14.4100, 75.0968



65.7516, 65.6569, 103.8153



42.6183, 61.7723, 72.4293



13.3300, 13.1761, 22.0906



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.



20.5622, 14.4100, 75.0968



21.3992, 12.0774, 95.8110



26.7072, 15.8864, 75.0579



13.6959, 14.1131, 18.1466



8.2943, 3.6507, 42.6507



0.6518, 0.3475, 3.1647

Inverse Universe

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



36.3572, 22.2657, 12.0542



43.3800, 23.8367, 7.8942



44.9088, 64.1894, 16.6811



14.4341, 14.3908, 15.2203



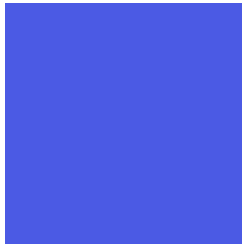
18.5801, 9.5663, 1.4178



1.3926, 0.7148, 0.2081

Previews

White Background



This preview shows how the XYZ color 20.5614, 14.4096, 75.0964 looks on a white background.

Color Contrast Check

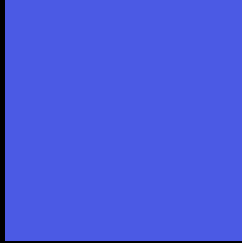
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5614, 14.4096, 75.0964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

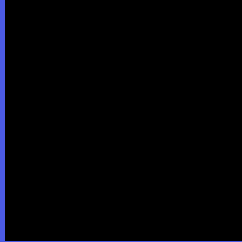
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.5614, 14.4096, 75.0964

Background



This preview shows how black text looks on a background with the XYZ color 20.5614, 14.4096, 75.0964.



This preview shows how white text looks on a background with the XYZ color 20.5614, 14.4096,

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

20.5614, 14.4096, 75.0964

Protanopia

17.0171, 14.4090, 66.1743

Deuteranopia

14.1195, 14.2279, 47.9010



Tritanopia

10.1272, 14.2289, 21.9514

Trichromacy



Original Color

20.5614, 14.4096, 75.0964

Protanomaly

17.7379, 14.1357, 69.5037

Deuteranomaly

15.6483, 13.7574, 57.0890

Tritanomaly

12.3205, 13.3927, 36.5860

Monochromacy



Original Color

20.5614, 14.4096, 75.0964

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.9548, 12.9313, 29.3643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5614, 14.4096, 75.0964 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(75, 90, 228)` looks like.

```
.text, #text, p{  
    color:rgb(75, 90, 228)  
}
```

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(75, 90, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 90, 228) }
```

Border

The CSS property to change the border of an element to XYZ 20.5614, 14.4096, 75.0964 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(75, 90, 228) }
```


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

```
.border{ border-color:rgb(75, 90, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 90, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 90, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 90, 228);  
box-shadow:4px 4px 4px 4px rgb(75, 90,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5614, 14.4096, 75.0964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 90, 228) }
```

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

```
.background{ background-color: rgb(75, 90,  
228) }
```

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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