

Converting Colors

XYZ(21.1241, 17.3969, 74.8815)

Have a look what the booklet for
XYZ(21.1241, 17.3969, 74.8815)
contains.

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Color

**XYZ(21.1374, 17.4131,
74.9201)**

Conversions

Conversions Part 1

Format	Color
Hex	3B6DE3
RGB	59, 109, 227
RGB Percent	23%, 43%, 89%
CMY	0.7686, 0.5725, 0.1098
CMYK	0.74, 0.52, 0.00, 0.11
HSL	222°, 75%, 56%
HSV	222°, 74%, 89%
XYZ	21.1374, 17.4131, 74.9201
YIQ	107.5020, -67.6780, 26.0980

Conversions

Conversions Part 2

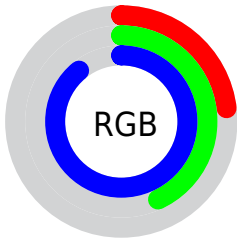
Format	Color
RYB	59, 98, 227
Decimal	3894755
CIELab	48.78, 23.72, -64.88
CIELCh	49, 69.084, 290.082
Yxy	17.4131, 0.1863, 0.1535
Android (android.graphics.Color)	4282084835 (0xFF3B6DE3)
YUV	107.5020, 58.9125, -42.5363
Hunter-Lab	41.7290, 17.3916, -77.2387

Details

The XYZ color **21.1374, 17.4131, 74.9201** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **48.1932, 48.0963, 10.8828**, and the grayscale version is **13.9705, 14.6980, 16.0061**.

A 20% lighter version of the original color is **39.3732, 36.8736, 99.6499**, and **9.1282, 6.4953, 39.3007** is the 20% darker color. If you saturate the color by 10%, you get **18.5229, 13.7651, 74.3542**, and if you desaturate by 10%, it is **24.6466, 21.9805, 75.6172**.

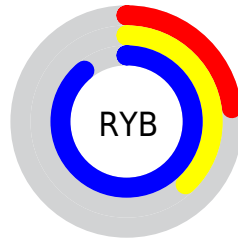
Distribution



Red (23%)

Green (43%)

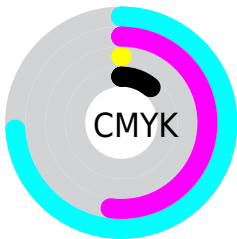
Blue (89%)



Red (23%)

Yellow (38%)

Blue (89%)

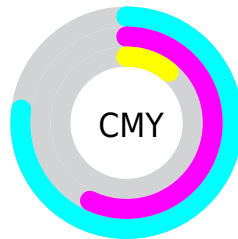


Cyan (74%)

Magenta (52%)

Yellow (0%)

Black (11%)



Cyan (77%)

Magenta (57%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1374, 17.4131, 74.9201 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 21.1374, 17.4131, 74.9201 by changing the saturation by 10% instead.

156.8438, 357.4906

2.3745

206.6637,
194.4103, 423.3735

■ 0.0000, 0.0000,
0.7725

■ 0.0000, 0.0000,
0.0000

■ 21.1374, 17.4131,
74.9201

■ 21.1374, 17.4131,
74.9201

■ 18.5229, 13.7651,
74.3542

■ 24.6466, 21.9805,
75.6172

■ 16.7019, 10.9595,
73.9086

■ 29.1309, 27.5314,
76.4523

■ 15.9051, 9.6259,
73.6932

■ 34.6636, 34.1252,
77.4334

■ 41.3101, 41.8157,
78.5675

■ 49.1300, 50.6525,
79.8610

■ 58.1788, 60.6823,
81.3200

■ 68.5081, 71.9490,
82.9503

■ 80.1665, 84.4941,
84.7573

■ 90.0753, 96.7462,
86.5999

Harmonies

Analogous

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



14.5235, 17.4131, 79.0250



21.1374, 17.4131, 74.9201



27.8740, 17.4131, 51.6845

Triad

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



21.1374, 17.4131, 74.9201



25.7519, 17.4131, 2.7527



7.1589, 17.4131, 13.5225

Complementary

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



21.1374, 17.4131, 74.9201



48.1932, 48.0963, 10.8828

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.



8.8033, 17.4131, 4.1585



21.1374, 17.4131, 74.9201



18.7581, 17.4131, 1.1306

Square

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



21.1374, 17.4131, 74.9201



30.9779, 17.4131, 9.2633



12.6806, 17.4131, 1.3951



7.4860, 17.4131, 33.7882

Rectangle

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



21.1374, 17.4131, 74.9201



30.9962, 17.4131, 33.6496



12.6806, 17.4131, 1.3951



7.4789, 17.4131, 9.3220

Sweetspot

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



21.1382, 17.4136, 74.9206



66.0285, 68.2521, 104.3016



37.1700, 59.0273, 50.8228



13.4874, 13.8874, 22.2196



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.



21.1382, 17.4136, 74.9206



22.6752, 15.7574, 96.4541



19.9046, 10.9821, 73.7442



13.9306, 14.5827, 18.2248



9.3646, 5.7912, 43.0074



0.7709, 0.5857, 3.2044

Inverse Universe

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



36.0037, 20.5643, 16.5397



43.7486, 22.9297, 13.0860



50.3542, 66.6449, 14.3492



14.5526, 14.4382, 15.8443



19.1203, 9.7823, 4.2626



1.4527, 0.7388, 0.5246

Previews

White Background



This preview shows how the XYZ color 21.1374, 17.4131, 74.9201 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 21.1374, 17.4131, 74.9201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

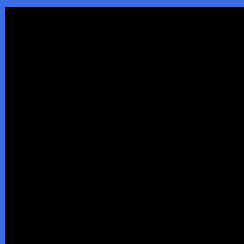
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

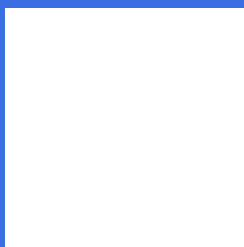
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1374, 17.4131, 74.9201

Background



This preview shows how black text looks on a background with the XYZ color 21.1374, 17.4131, 74.9201.



This preview shows how white text looks on a background with the XYZ color 21.1374, 17.4131,

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

21.1374, 17.4131, 74.9201

Protanopia

20.5902, 17.4193, 76.4058

Deuteranopia

17.4979, 17.3646, 60.1871



Tritanopia

12.2345, 17.2445, 26.3506

Trichromacy



Original Color

21.1374, 17.4131, 74.9201

Protanomaly

20.6617, 17.3112, 75.6512

Deuteranomaly

18.4502, 17.2250, 65.3031

Tritanomaly

14.4023, 16.7365, 40.5016

Monochromacy



Original Color

21.1374, 17.4131, 74.9201

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.1649, 15.1331, 31.3999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1374, 17.4131, 74.9201 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(59, 109, 227)` looks like.

```
.text, #text, p{  
    color:rgb(59, 109, 227)  
}
```

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(59, 109, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 109, 227) }
```

Border

The CSS property to change the border of an element to XYZ 21.1374, 17.4131, 74.9201 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(59, 109, 227) }
```


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

```
.border{ border-color:rgb(59, 109, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 109, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 109, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 109, 227);  
box-shadow:4px 4px 4px 4px rgb(59, 109,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1374, 17.4131, 74.9201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 109, 227) }
```

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

```
.background{ background-color: rgb(59, 109,  
227) }
```

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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