

Converting Colors

XYZ(21.8394, 18.6041, 74.5247)

Have a look what the booklet for
XYZ(21.8394, 18.6041, 74.5247)
contains.

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Color

**XYZ(21.7947, 18.5824,
74.3896)**

Conversions

Conversions Part 1

Format	Color
Hex	3F72E2
RGB	63, 114, 226
RGB Percent	25%, 45%, 89%
CMY	0.7529, 0.5529, 0.1137
CMYK	0.72, 0.50, 0.00, 0.11
HSL	221°, 74%, 57%
HSV	221°, 72%, 89%
XYZ	21.7947, 18.5824, 74.3896
YIQ	111.5190, -66.3480, 24.0200

Conversions

Conversions Part 2

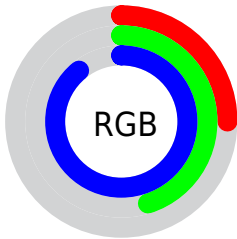
Format	Color
R _{YB}	63, 102, 226
Decimal	4158178
CIE Lab	50.20, 20.71, -62.02
CIE LCh	50, 65.388, 288.469
Yxy	18.5824, 0.1899, 0.1619
Android (android.graphics.Color)	4282348258 (0xFF3F72E2)
YUV	111.5190, 56.4391, -42.5512
Hunter-Lab	43.1073, 14.8103, -72.1407

Details

The XYZ color **21.7947, 18.5824, 74.3896** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **47.5939, 47.1922, 11.3048**, and the grayscale version is **15.1161, 15.9034, 17.3187**.

A 20% lighter version of the original color is **40.7111, 38.8761, 99.9659**, and **9.2629, 6.9166, 38.8770** is the 20% darker color. If you saturate the color by 10%, you get **19.0306, 14.7742, 73.8007**, and if you desaturate by 10%, it is **25.4499, 23.2917, 75.1064**.

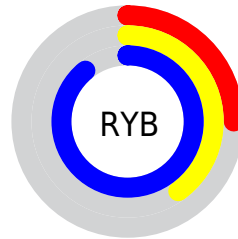
Distribution



Red (25%)

Green (45%)

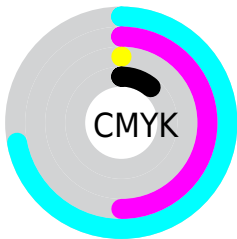
Blue (89%)



Red (25%)

Yellow (40%)

Blue (89%)

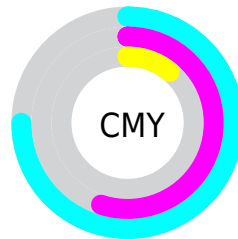


Cyan (72%)

Magenta (50%)

Yellow (0%)

Black (11%)



Cyan (75%)

Magenta (55%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7947, 18.5824, 74.3896 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 21.7947, 18.5824, 74.3896 by changing the saturation by 10% instead.

■ 21.7947, 18.5824,
74.3896

■ 21.7947, 18.5824,
74.3896

254.1248,
244.1336, 495.0162

■ 13.8219, 11.3689,
54.6143

■ 45.8878, 41.0273,
127.1871

■ 8.0778, 6.3156,
38.6965

■ 62.7389, 57.0274,
161.0463

■ 4.1970, 3.0379,
26.2177

■ 83.2800, 76.7253,
200.4372

■ 1.8142, 1.1515,
16.7593

■ 107.8766,
100.5052, 245.7784

■ 0.5262, 0.0216,
9.9029

■ 136.8940,
128.7516, 297.4883

■ 0.0000, 0.0000,
5.2299

170.6976,

■ 0.0000, 0.0000,

161.8489, 355.9856

2.3217

209.6528,
200.1814, 421.6887

■ 0.0000, 0.0000,
0.7433

■ 0.0000, 0.0000,
0.0000

■ 21.7947, 18.5824,
74.3896

■ 21.7947, 18.5824,
74.3896

■ 19.0306, 14.7742,
73.8007

■ 25.4499, 23.2917,
75.1064

■ 17.0622, 11.7953,
73.3294

■ 30.0723, 28.9617,
75.9572

■ 15.9619, 9.9597,
73.0331

■ 35.7318, 35.6480,
76.9495

■ 42.4911, 43.4013,
78.0897

■ 50.4075, 52.2683,
79.3840

■ 59.5343, 62.2930,
80.8379

■ 69.9210, 73.5168,
82.4569

■ 81.6149, 85.9792,
84.2461

■ 90.3363, 97.4885,
86.0079

Harmonies

Analogous

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



15.3441, 18.5824, 77.0143



21.7947, 18.5824, 74.3896



28.4007, 18.5824, 53.1585

Triad

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



21.7947, 18.5824, 74.3896



26.9983, 18.5824, 3.7690



8.2359, 18.5824, 14.0470

Complementary

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



21.7947, 18.5824, 74.3896



47.5939, 47.1922, 11.3048

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.



10.0423, 18.5824, 4.8252



21.7947, 18.5824, 74.3896



20.2023, 18.5824, 1.7076

Square

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



21.7947, 18.5824, 74.3896



31.8643, 18.5824, 11.0950



14.0878, 18.5824, 1.9258



8.4667, 18.5824, 33.3701

Rectangle

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



21.7947, 18.5824, 74.3896



31.5365, 18.5824, 35.8681



14.0878, 18.5824, 1.9258



8.6034, 18.5824, 9.9655

Sweetspot

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



21.7956, 18.5829, 74.3901



66.2481, 68.6912, 104.3748



36.9250, 58.5213, 49.5923



13.5387, 13.9899, 22.2367



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.



21.7956, 18.5829, 74.3901



23.4880, 17.1577, 96.6816



20.0090, 11.3688, 73.0918



13.3002, 13.9394, 17.3773



9.1998, 5.8692, 41.6963



0.7159, 0.5632, 2.9162

Inverse Universe

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



36.1797, 20.9400, 18.0547



44.2138, 23.3264, 14.8869



50.8900, 66.5038, 14.8586



13.8830, 13.7708, 15.1539



18.5838, 9.5005, 4.4743



1.3276, 0.6743, 0.5180

Previews

White Background



This preview shows how the XYZ color 21.7947, 18.5824, 74.3896 looks on a white 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

Black Background



This preview shows how the XYZ color 21.7947, 18.5824, 74.3896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

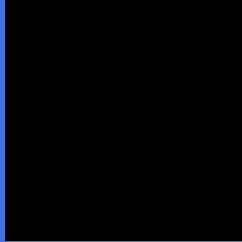
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7947, 18.5824, 74.3896

Background



This preview shows how black text looks on a background with the XYZ color 21.7947, 18.5824, 74.3896.



This preview shows how white text looks on a background with the XYZ color 21.7947, 18.5824,

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

21.7947, 18.5824, 74.3896

Protanopia

21.5714, 18.6197, 75.1301

Deuteranopia

18.7210, 18.4282, 64.8577



Tritanopia

13.1337, 18.4555, 28.4612

Trichromacy



Original Color

21.7947, 18.5824, 74.3896

Protanomaly

21.7408, 18.7071, 75.1380

Deuteranomaly

19.3562, 18.1488, 68.1285

Tritanomaly

15.2298, 17.8665, 42.1811

Monochromacy



Original Color

21.7947, 18.5824, 74.3896

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.2710, 16.4898, 32.4623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7947, 18.5824, 74.3896 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(63, 114, 226)` looks like.

```
.text, #text, p{  
    color:rgb(63, 114, 226)  
}
```

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(63, 114, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 114, 226) }
```

Border

The CSS property to change the border of an element to XYZ 21.7947, 18.5824, 74.3896 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(63, 114, 226) }
```


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

```
.border{ border-color:rgb(63, 114, 226) }
```

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

Here you see how a box with a 4 pixel rgb(63, 114, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 114, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 114, 226);  
box-shadow:4px 4px 4px 4px rgb(63, 114,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7947, 18.5824, 74.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 114, 226) }
```

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

```
.background{ background-color: rgb(63, 114,  
226) }
```

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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