

Converting Colors

XYZ(21.7849, 18.3694, 79.3481)

Have a look what the booklet for
XYZ(21.7849, 18.3694, 79.3481)
contains.

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Color

**XYZ(21.7854, 18.2978,
79.4744)**

Conversions

Conversions Part 1

Format	Color
Hex	2F71E9
RGB	47, 113, 233
RGB Percent	18%, 44%, 91%
CMY	0.8156, 0.5569, 0.0863
CMYK	0.80, 0.52, 0.00, 0.09
HSL	219°, 81%, 55%
HSV	219°, 80%, 91%
XYZ	21.7854, 18.2978, 79.4744
YIQ	106.9460, -77.8560, 23.3280

Conversions

Conversions Part 2

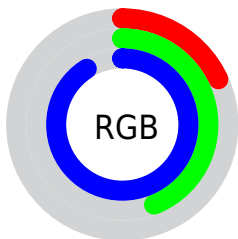
Format	Color
R _Y B	47, 96, 233
Decimal	3109353
CIE Lab	49.86, 22.13, -66.53
CIE LCh	50, 70.116, 288.402
Yxy	18.2978, 0.1822, 0.1530
Android (android.graphics.Color)	4281299433 (0xFF2F71E9)
YUV	106.9460, 62.1446, -52.5726
Hunter-Lab	42.7759, 16.0506, -80.2131

Details

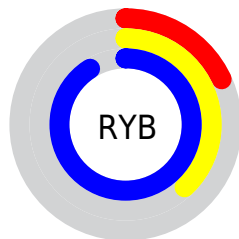
The XYZ color **21.7854, 18.2978, 79.4744** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **47.9397, 45.1727, 8.8836**, and the grayscale version is **13.8107, 14.5299, 15.8231**.

A 20% lighter version of the original color is **39.3515, 37.9085, 99.8508**, and **9.7847, 7.0310, 41.9157** is the 20% darker color. If you saturate the color by 10%, you get **19.4426, 14.8031, 78.9238**, and if you desaturate by 10%, it is **24.9804, 22.6443, 80.1454**.

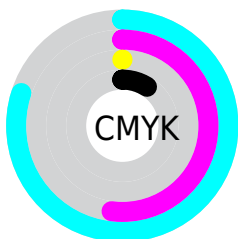
Distribution



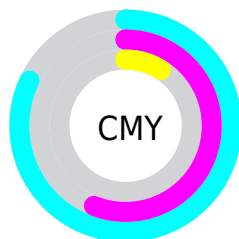
- Red (18%)
- Green (44%)
- Blue (91%)



- Red (18%)
- Yellow (38%)
- Blue (91%)



- Cyan (80%)
- Magenta (52%)
- Yellow (0%)
- Black (9%)



- Cyan (82%)
- Magenta (56%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7854, 18.2978, 79.4744 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 21.7854, 18.2978, 79.4744 by changing the saturation by 10% instead.

■ 21.7854, 18.2978,
79.4744

■ 21.7854, 18.2978,
79.4744

254.0770,
242.5443, 512.8197

■ 13.8150, 11.1640,
58.7623

■ 45.8726, 40.5441,
134.4312

■ 8.0730, 6.1773,
42.0031

■ 62.7200, 56.4254,
169.5130

■ 4.1939, 2.9532,
28.7781

■ 83.2573, 75.9914,
210.2219

■ 1.8124, 1.1073,
18.6689

■ 107.8496, 99.6263,
256.9762

■ 0.5251, 0.0000,
11.2569

■ 136.8624,
127.7147, 310.1946

■ 0.0000, 0.0000,
6.1236

170.6610,

■ 0.0000, 0.0000,

160.6409, 370.2957

2.8504

209.6107,
198.7893, 437.6979

■ 0.0000, 0.0000,
1.0187

■ 0.0000, 0.0000,
0.0000

■ 21.7854, 18.2978,
79.4744

■ 21.7854, 18.2978,
79.4744

■ 19.4426, 14.8031,
78.9238

■ 24.9804, 22.6443,
80.1454

■ 17.8014, 12.0622,
78.4812

■ 29.1176, 27.9079,
80.9434

■ 17.7757, 12.0185,
78.4742

■ 34.2771, 34.1476,
81.8758

■ 40.5293, 41.4164,
82.9493

■ 47.9376, 49.7629,
84.1699

■ 56.5605, 59.2323,
85.5432

■ 66.4523, 69.8672,
87.0745

■ 77.6639, 81.7076,
88.7691

■ 89.6087, 94.4644,
90.6018

Harmonies

Analogous

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



14.9271, 18.2978, 82.3603



21.7854, 18.2978, 79.4744



28.9191, 18.2978, 55.8463

Triad

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



21.7854, 18.2978, 79.4744



27.4275, 18.2978, 3.1059



7.5753, 18.2978, 13.3859

Complementary

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



21.7854, 18.2978, 79.4744



47.9397, 45.1727, 8.8836

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.



9.4245, 18.2978, 4.0923



21.7854, 18.2978, 79.4744



20.1133, 18.2978, 1.2286

Square

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



21.7854, 18.2978, 79.4744



32.7102, 18.2978, 10.3954



13.6321, 18.2978, 1.4142



7.8051, 18.2978, 33.9938

Rectangle

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



21.7854, 18.2978, 79.4744



32.3371, 18.2978, 36.8314



13.6321, 18.2978, 1.4142



7.9501, 18.2978, 9.1914

Sweetspot

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



21.7863, 18.2983, 79.4749



64.6780, 67.5253, 104.2325



37.0861, 61.5925, 45.4389



13.0456, 13.5744, 22.1825



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.



21.7863, 18.2983, 79.4749



22.4571, 15.8446, 96.4824



18.3839, 9.2882, 77.9151



14.6685, 15.4233, 19.1261



10.1922, 7.0314, 44.5630



0.8882, 0.7278, 3.5285

Inverse Universe

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



37.6023, 20.5504, 17.6076



43.5107, 22.3454, 13.3415



55.7220, 71.9228, 13.6367



15.2862, 15.1423, 16.7924



19.9999, 10.2026, 5.8006



1.6148, 0.8189, 0.6890

Previews

White Background



This preview shows how the XYZ color 21.7854, 18.2978, 79.4744 looks on a white background.

Color Contrast Check

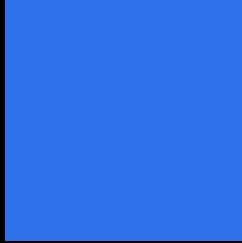
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7854, 18.2978, 79.4744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

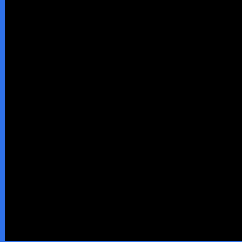
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7854, 18.2978, 79.4744

Background



This preview shows how black text looks on a background with the XYZ color 21.7854, 18.2978, 79.4744.



This preview shows how white text looks on a background with the XYZ color 21.7854, 18.2978,

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

21.7854, 18.2978, 79.4744

Protanopia

21.7053, 18.4065, 80.2507

Tritanopia

12.8499, 18.1260, 27.6324

Trichromacy



Original Color

21.7854, 18.2978, 79.4744

Protanomaly

21.8234, 18.4674, 80.2562

Tritanomaly

15.0788, 17.5905, 42.6450

Monochromacy



Original Color

21.7854, 18.2978, 79.4744

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.9647, 15.1685, 32.2761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7854, 18.2978, 79.4744 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(47, 113, 233)` looks like.

```
.text, #text, p{  
    color:rgb(47, 113, 233)  
}
```

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(47, 113, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 113, 233) }
```

Border

The CSS property to change the border of an element to XYZ 21.7854, 18.2978, 79.4744 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(47, 113, 233) }
```

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

```
.border{ border-color:rgb(47, 113, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 113, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 113, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 113, 233);  
box-shadow:4px 4px 4px 4px rgb(47, 113,  
233) }
```


Background

The CSS property to change the background color of an element to XYZ 21.7854, 18.2978, 79.4744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 113, 233) }
```

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

```
.background{ background-color: rgb(47, 113,  
233) }
```

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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