

Converting Colors

XYZ(21.5126, 21.2802, 47.7475)

Have a look what the booklet for
XYZ(21.5126, 21.2802, 47.7475)
contains.

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Color

**XYZ(21.6161, 21.4224,
47.7954)**

Conversions

Conversions Part 1

Format	Color
Hex	667FB7
RGB	102, 127, 183
RGB Percent	40%, 50%, 72%
CMY	0.6000, 0.5020, 0.2823
CMYK	0.44, 0.31, 0.00, 0.28
HSL	221°, 36%, 56%
HSV	221°, 44%, 72%
XYZ	21.6161, 21.4224, 47.7954
YIQ	125.9090, -32.8760, 12.1160

Conversions

Conversions Part 2

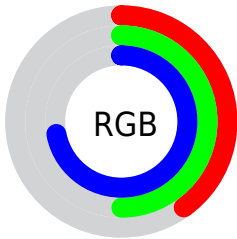
Format	Color
R_{YB}	102, 121, 183
Decimal	6717367
CIE _{Lab}	53.41, 6.02, -32.33
CIE _{LCh}	53, 32.884, 280.554
Yxy	21.4224, 0.2380, 0.2358
Android (android.graphics.Color)	4284907447 (0xFF667FB7)
YUV	125.9090, 28.1459, -20.9682
Hunter-Lab	46.2843, 2.3670, -28.8266

Details

The XYZ color **21.6161, 21.4224, 47.7954** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.1543, 35.4813, 17.6198**, and the grayscale version is **19.7164, 20.7432, 22.5893**.

A 20% lighter version of the original color is **45.6115, 45.9424, 88.1251**, and **7.9726, 7.6889, 22.1830** is the 20% darker color. If you saturate the color by 10%, you get **18.2339, 17.4038, 47.1984**, and if you desaturate by 10%, it is **25.6629, 26.0890, 48.4833**.

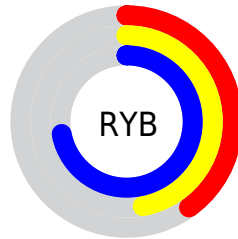
Distribution



Red (40%)

Green (50%)

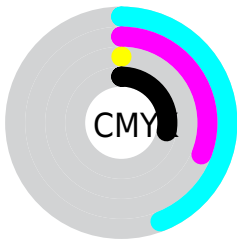
Blue (72%)



Red (40%)

Yellow (47%)

Blue (72%)

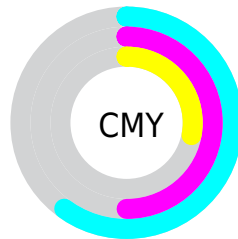


Cyan (44%)

Magenta (31%)

Yellow (0%)

Black (28%)



Cyan (60%)

Magenta (50%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6161, 21.4224, 47.7954 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 21.6161, 21.4224, 47.7954 by changing the saturation by 10% instead.

■ 21.6161, 21.4224,
47.7954

■ 21.6161, 21.4224,
47.7954

253.2051,
259.5149, 394.4659

■ 13.6901, 13.4331,
33.3060

■ 45.5943, 45.7895,
88.2621

■ 7.9857, 7.7275,
22.0880

■ 62.3771, 62.9360,
115.0765

■ 4.1375, 3.9211,
13.7226

■ 82.8430, 83.9038,
146.8363

■ 1.7802, 1.6295,
7.7915

■ 107.3573,
109.0772, 183.9601

■ 0.5057, 0.3774,
3.8759

136.2853,
138.8407, 226.8664

■ 0.0000, 0.0000,
1.5575

169.9923,

■ 0.0000, 0.0000,

173.5785, 275.9738

0.2602

208.8438,
213.6751, 331.7008

■ 0.0000, 0.0000,
0.0000

■ 21.6161, 21.4224,
47.7954

■ 21.6161, 21.4224,
47.7954

■ 18.2339, 17.4038,
47.1984

■ 25.6629, 26.0890,
48.4833

■ 15.4758, 14.0000,
46.6868

■ 30.4067, 31.4298,
49.2641

■ 13.3006, 11.1781,
46.2567

■ 35.8808, 37.4726,
50.1420

■ 11.6601, 8.9006,
45.9036

■ 42.1153, 44.2424,
51.1201

■ 10.4977, 7.1245,
45.6220

■ 49.1387, 51.7634,
52.2016

■ 9.9849, 6.2940,
45.4888

■ 56.9780, 60.0583,
53.3895

■ 65.6588, 69.1491,
54.6867

■ 75.2058, 79.0565,
56.0958

■ 81.2043, 87.5130,
57.4119

Harmonies

Analogous

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



18.2069, 21.4224, 46.5615



21.6161, 21.4224, 47.7954



25.0461, 21.4224, 41.1978

Triad

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



21.6161, 21.4224, 47.7954



25.9006, 21.4224, 12.9239



14.6637, 21.4224, 17.4916

Complementary

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



21.6161, 21.4224, 47.7954



34.1543, 35.4813, 17.6198

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.



16.3005, 21.4224, 11.5535



21.6161, 21.4224, 47.7954



22.6794, 21.4224, 9.4859

Square

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



21.6161, 21.4224, 47.7954



27.7009, 21.4224, 19.9775



19.1561, 21.4224, 9.0686



14.4483, 21.4224, 27.0277

Rectangle

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



21.6161, 21.4224, 47.7954



26.7857, 21.4224, 34.1127



19.1561, 21.4224, 9.0686



15.0563, 21.4224, 15.0920

Sweetspot

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



21.6169, 21.4232, 47.7959



65.3644, 68.3184, 89.9774



28.5294, 39.1386, 38.1068



13.9268, 14.5309, 19.7923



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.6169, 21.4232, 47.7959



32.8683, 31.4260, 84.5692



20.6154, 16.6941, 46.9359



8.7412, 9.1596, 11.3867



7.0200, 4.4996, 31.7516



0.3042, 0.2720, 1.1382

Inverse Universe

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



28.1112, 21.1032, 22.6711



46.2354, 31.7101, 32.6446



35.5128, 43.1681, 19.0319



9.1157, 9.0567, 9.9567



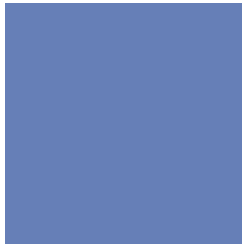
14.1570, 7.2366, 3.4478



0.5277, 0.2666, 0.2722

Previews

White Background



This preview shows how the XYZ color 21.6161, 21.4224, 47.7954 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 21.6161, 21.4224, 47.7954 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

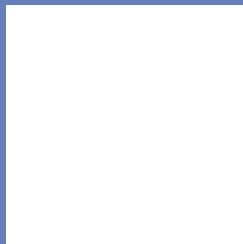
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6161, 21.4224, 47.7954

Background



This preview shows how black text looks on a background with the XYZ color 21.6161, 21.4224, 47.7954.

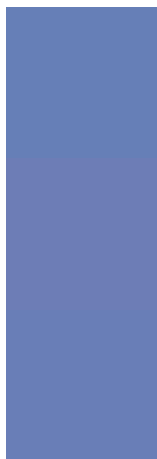


This preview shows how white text looks on a background with the XYZ color 21.6161, 21.4224,

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

21.6161, 21.4224, 47.7954

Protanopia

22.0838, 21.2958, 47.2025

Deuteranopia

21.8338, 21.3439, 47.7688



Tritanopia

17.9503, 21.3187, 29.9569

Trichromacy



Original Color

21.6161, 21.4224, 47.7954

Protanomaly

21.8482, 21.3633, 47.2280

Deuteranomaly

21.7170, 21.2837, 47.7633

Tritanomaly

19.0936, 21.1687, 35.8805

Monochromacy



Original Color

21.6161, 21.4224, 47.7954

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0634, 20.8102, 30.5631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6161, 21.4224, 47.7954 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(102, 127, 183)` looks like.

```
.text, #text, p{  
    color:rgb(102, 127, 183)  
}
```

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(102, 127, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 127, 183) }
```

Border

The CSS property to change the border of an element to XYZ 21.6161, 21.4224, 47.7954 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(102, 127, 183) }
```


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

```
.border{ border-color:rgb(102, 127, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 127, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 127, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 127, 183);  
box-shadow:4px 4px 4px 4px rgb(102, 127,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6161, 21.4224, 47.7954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 127, 183) }
```

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

```
.background{ background-color: rgb(102,  
127, 183) }
```

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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