

Converting Colors

XYZ(21.5286, 21.6323, 38.2685)

Have a look what the booklet for
XYZ(21.5286, 21.6323, 38.2685)
contains.

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Color

**XYZ(21.4927, 21.5721,
38.1530)**

Conversions

Conversions Part 1

Format	Color
Hex	747FA4
RGB	116, 127, 164
RGB Percent	45%, 50%, 64%
CMY	0.5451, 0.5020, 0.3569
CMYK	0.29, 0.23, 0.00, 0.36
HSL	226°, 21%, 55%
HSV	226°, 29%, 64%
XYZ	21.4927, 21.5721, 38.1530
YIQ	127.9290, -18.4330, 9.1750

Conversions

Conversions Part 2

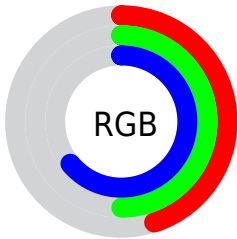
Format	Color
R_{YB}	116, 125, 164
Decimal	7634852
CIE _{Lab}	53.57, 4.75, -21.05
CIE _{LCh}	54, 21.580, 282.705
Yxy	21.5721, 0.2646, 0.2656
Android (android.graphics.Color)	4285824932 (0xFF747FA4)
YUV	127.9290, 17.7830, -10.4617
Hunter-Lab	46.4458, 1.3205, -16.1919

Details

The XYZ color **21.4927, 21.5721, 38.1530** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.8539, 31.9363, 21.1146**, and the grayscale version is **20.4387, 21.5031, 23.4169**.

A 20% lighter version of the original color is **45.4696, 46.1920, 73.5373**, and **7.8958, 7.7769, 16.4142** is the 20% darker color. If you saturate the color by 10%, you get **17.9707, 17.4833, 37.5498**, and if you desaturate by 10%, it is **25.6059, 26.2707, 38.8435**.

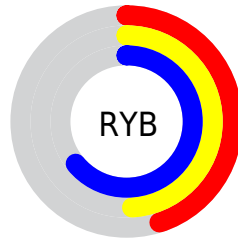
Distribution



Red (45%)

Green (50%)

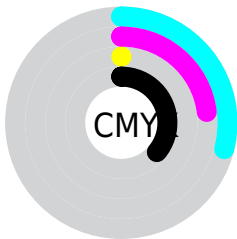
Blue (64%)



Red (45%)

Yellow (49%)

Blue (64%)

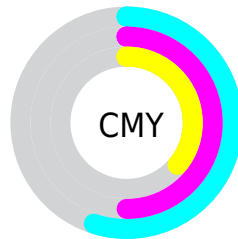


Cyan (29%)

Magenta (23%)

Yellow (0%)

Black (36%)



Cyan (55%)

Magenta (50%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4927, 21.5721, 38.1530 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 21.4927, 21.5721, 38.1530 by changing the saturation by 10% instead.

■ 21.4927, 21.5721,
38.1530

■ 21.4927, 21.5721,
38.1530

252.5679,
260.3035, 353.5937

■ 13.5991, 13.5428,
25.7987

■ 45.3912, 46.0377,
73.5486

■ 7.9222, 7.8034,
16.4487

■ 62.1269, 63.2429,
97.4270

■ 4.0966, 3.9694,
9.6844

■ 82.5406, 84.2755,
125.9838

■ 1.7569, 1.6565,
5.0874

106.9978,
109.5199, 159.6377

■ 0.4915, 0.3952,
2.2390

135.8638,
139.3605, 198.8070

■ 0.0000, 0.0000,
0.6967

169.5039,

■ 0.0000, 0.0000,

174.1817, 243.9105

0.0000

208.2835,
214.3679, 295.3665

■ 21.4927, 21.5721,
38.1530

■ 21.4927, 21.5721,
38.1530

■ 17.9707, 17.4833,
37.5498

■ 25.6059, 26.2707,
38.8435

■ 15.0099, 13.9763,
37.0289

■ 30.3340, 31.6007,
39.6231

■ 12.5810, 11.0244,
36.5872

■ 35.7022, 37.5855,
40.4953

■ 10.6508, 8.5980,
36.2205

■ 41.7333, 44.2466,
41.4632

■ 9.1825, 6.6642,
35.9247

■ 48.4494, 51.6046,
42.5295

■ 8.1335, 5.1862,
35.6947

■ 55.8712, 59.6791,
43.6968

■ 7.4255, 4.1073,
35.5237

■ 64.0186, 68.4891,
44.9679

■ 7.3808, 4.0402,
35.5132

■ 72.9109, 78.0525,
46.3452

■ 79.3301, 86.7187,
47.6796

Harmonies

Analogous

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



19.2156, 21.5721, 37.7911



21.4927, 21.5721, 38.1530



23.6548, 21.5721, 34.0904

Triad

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



21.4927, 21.5721, 38.1530



23.9316, 21.5721, 15.8966



16.5609, 21.5721, 19.9175

Complementary

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



21.4927, 21.5721, 38.1530



29.8539, 31.9363, 21.1146

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.



17.6455, 21.5721, 15.3496



21.4927, 21.5721, 38.1530



21.8480, 21.5721, 13.3442

Square

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



21.4927, 21.5721, 38.1530



25.1321, 21.5721, 20.8090



19.5454, 21.5721, 13.1648



16.4814, 21.5721, 26.3884

Rectangle

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



21.4927, 21.5721, 38.1530



24.6943, 21.5721, 29.7947



19.5454, 21.5721, 13.1648



16.8161, 21.5721, 18.1413

Sweetspot

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



21.4934, 21.5730, 38.1535



55.1505, 57.4605, 71.9366



26.2117, 32.5577, 34.9537



11.7811, 12.2526, 15.6816



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.4934, 21.5730, 38.1535



34.8067, 34.2893, 68.5363



21.9698, 19.8233, 37.7907



6.8261, 7.1112, 8.9159



5.6904, 3.1602, 27.2398



0.1524, 0.1320, 0.5833

Inverse Universe

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



25.3866, 21.9163, 22.9718



43.0916, 35.2724, 36.1726



29.2280, 34.4108, 21.6252



7.1372, 7.1113, 7.7088



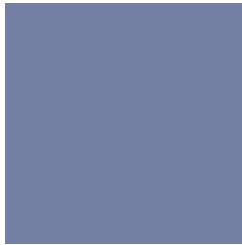
12.0177, 6.1631, 2.0180



0.2691, 0.1361, 0.1296

Previews

White Background



This preview shows how the XYZ color 21.4927, 21.5721, 38.1530 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 21.4927, 21.5721, 38.1530 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

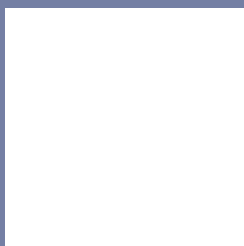
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4927, 21.5721, 38.1530

Background



This preview shows how black text looks on a background with the XYZ color 21.4927, 21.5721, 38.1530.



This preview shows how white text looks on a background with the XYZ color 21.4927, 21.5721,

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

21.4927, 21.5721, 38.1530

Protanopia

21.6329, 21.4536, 38.1227

Deuteranopia

22.0469, 21.6670, 38.1421



Tritanopia

19.5543, 21.5651, 28.7230

Trichromacy



Original Color

21.4927, 21.5721, 38.1530

Protanomaly

21.4978, 21.3840, 38.1164

Deuteranomaly

21.7694, 21.5240, 38.1291

Tritanomaly

20.2977, 21.6780, 31.9686

Monochromacy



Original Color

21.4927, 21.5721, 38.1530

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.8391, 21.6465, 28.2792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4927, 21.5721, 38.1530 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(116, 127, 164)` looks like.

```
.text, #text, p{  
    color:rgb(116, 127, 164)  
}
```

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(116, 127, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 127, 164) }
```

Border

The CSS property to change the border of an element to XYZ 21.4927, 21.5721, 38.1530 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(116, 127, 164) }
```


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

```
.border{ border-color:rgb(116, 127, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 127, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 127, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 127, 164);  
box-shadow:4px 4px 4px 4px rgb(116, 127,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4927, 21.5721, 38.1530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 127, 164) }
```

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

```
.background{ background-color: rgb(116,  
127, 164) }
```

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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