

Converting Colors

XYZ(21.6232, 20.4700, 44.5055)

Have a look what the booklet for
XYZ(21.6232, 20.4700, 44.5055)
contains.

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Color

**XYZ(21.7054, 20.6041,
44.4280)**

Conversions

Conversions Part 1

Format	Color
Hex	717AB1
RGB	113, 122, 177
RGB Percent	44%, 48%, 69%
CMY	0.5569, 0.5216, 0.3059
CMYK	0.36, 0.31, 0.00, 0.31
HSL	232°, 29%, 57%
HSV	232°, 36%, 69%
XYZ	21.7054, 20.6041, 44.4280
YIQ	125.5790, -23.0190, 15.1970

Conversions

Conversions Part 2

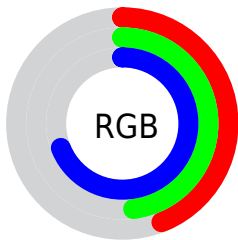
Format	Color
R _Y B	113, 121, 177
Decimal	7436977
CIE Lab	52.51, 10.30, -30.21
CIE LCh	53, 31.923, 288.827
Yxy	20.6041, 0.2502, 0.2375
Android (android.graphics.Color)	4285627057 (0xFF717AB1)
YUV	125.5790, 25.3506, -11.0318
Hunter-Lab	45.3917, 5.9195, -26.2570

Details

The XYZ color **21.7054, 20.6041, 44.4280** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.1153, 38.5453, 21.2128**, and the grayscale version is **19.6115, 20.6328, 22.4691**.

A 20% lighter version of the original color is **45.7804, 44.3708, 83.2423**, and **8.0735, 7.3769, 20.0672** is the 20% darker color. If you saturate the color by 10%, you get **17.9227, 16.0954, 43.7575**, and if you desaturate by 10%, it is **26.2260, 25.9280, 45.2177**.

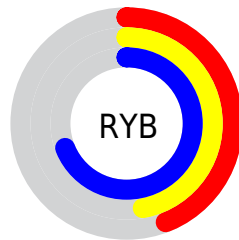
Distribution



Red (44%)

Green (48%)

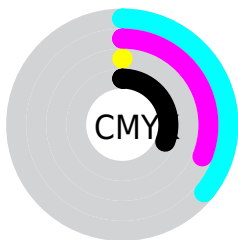
Blue (69%)



Red (44%)

Yellow (47%)

Blue (69%)

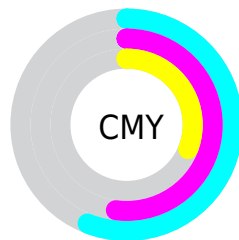


Cyan (36%)

Magenta (31%)

Yellow (0%)

Black (31%)



Cyan (56%)

Magenta (52%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7054, 20.6041, 44.4280 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 21.7054, 20.6041, 44.4280 by changing the saturation by 10% instead.

■ 21.7054, 20.6041,
44.4280

■ 21.7054, 20.6041,
44.4280

253.6653,
255.1670, 380.5443

■ 13.7560, 12.8349,
30.6675

■ 45.7411, 44.4277,
83.1707

■ 8.0317, 7.3150,
20.0894

■ 62.5581, 61.2509,
108.9900

■ 4.1672, 3.6599,
12.2753

■ 83.0616, 81.8610,
139.6659

■ 1.7972, 1.4852,
6.8067

107.6171,
106.6422, 175.6170

■ 0.5160, 0.2783,
3.2649

136.5898,
135.9790, 217.2619

■ 0.0000, 0.0000,
1.2314

170.3452,

■ 0.0000, 0.0000,

170.2558, 265.0190

0.0046

209.2486,
209.8570, 319.3070

■ 0.0000, 0.0000,
0.0000

■ 21.7054, 20.6041,
44.4280

■ 21.7054, 20.6041,
44.4280

■ 17.9227, 16.0954,
43.7575

■ 26.2260, 25.9280,
45.2177

■ 14.8362, 12.3591,
43.1990

■ 31.5189, 32.1024,
46.1305

■ 12.4034, 9.3519,
42.7467

■ 37.6188, 39.1633,
47.1719

■ 10.5762, 7.0253,
42.3940

■ 44.5578, 47.1441,
48.3467

■ 9.2996, 5.3246,
42.1330

■ 52.3661, 56.0762,
49.6592

■ 8.5042, 4.1845,
41.9548

■ 61.0724, 65.9898,
51.1138

■ 8.2812, 3.8649,
41.9049

■ 70.7043, 76.9134,
52.7146

■ 81.2879, 88.8747,
54.4656

■ 84.9359, 95.9544,
55.6398

Harmonies

Analogous

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



18.3786, 20.6041, 45.4264



21.7054, 20.6041, 44.4280



24.7635, 20.6041, 36.6647

Triad

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



21.7054, 20.6041, 44.4280



24.0691, 20.6041, 11.3398



13.9906, 20.6041, 19.0914

Complementary

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



21.7054, 20.6041, 44.4280



35.1153, 38.5453, 21.2128

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.



15.1816, 20.6041, 12.4645



21.7054, 20.6041, 44.4280



20.8401, 20.6041, 8.9036

Square

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



21.7054, 20.6041, 44.4280



26.2305, 20.6041, 17.0618



17.6047, 20.6041, 9.2473



14.1666, 20.6041, 28.8307

Rectangle

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



21.7054, 20.6041, 44.4280



26.1226, 20.6041, 29.6656



17.6047, 20.6041, 9.2473



14.2384, 20.6041, 16.4855

Sweetspot

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



21.7061, 20.6049, 44.4285



61.6929, 63.5753, 83.5150



29.5449, 37.7604, 42.4852



13.0617, 13.4209, 18.0464



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.7061, 20.6049, 44.4285



33.6227, 30.6525, 78.6397



23.8978, 20.1696, 44.2289



8.1352, 8.4166, 10.7021



6.0275, 2.8554, 30.3704



0.2198, 0.1502, 0.9656

Inverse Universe

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



27.5501, 22.5633, 21.3162



45.6515, 34.9582, 31.0053



32.1443, 39.5661, 21.5665



8.5434, 8.5241, 9.0941



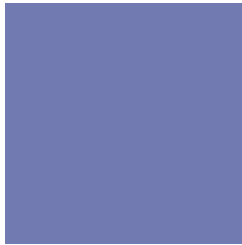
13.2771, 6.8284, 1.3530



0.4330, 0.2209, 0.1228

Previews

White Background



This preview shows how the XYZ color 21.7054, 20.6041, 44.4280 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 21.7054, 20.6041, 44.4280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

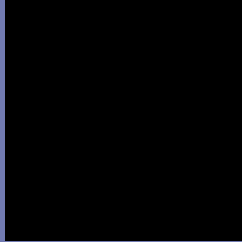
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7054, 20.6041, 44.4280

Background



This preview shows how black text looks on a background with the XYZ color 21.7054, 20.6041, 44.4280.



This preview shows how white text looks on a background with the XYZ color 21.7054, 20.6041,

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

21.7054, 20.6041, 44.4280

Protanopia

21.3032, 20.5684, 44.9668

Deuteranopia

21.2069, 20.7154, 44.4757



Tritanopia

18.2928, 20.5370, 27.8109

Trichromacy



Original Color

21.7054, 20.6041, 44.4280

Protanomaly

21.5492, 20.6953, 44.9783

Deuteranomaly

21.3254, 20.5915, 44.4455

Tritanomaly

19.2740, 20.3474, 33.0486

Monochromacy



Original Color

21.7054, 20.6041, 44.4280

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.3296, 20.7765, 29.7268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7054, 20.6041, 44.4280 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(113, 122, 177)` looks like.

```
.text, #text, p{  
    color:rgb(113, 122, 177)  
}
```

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(113, 122, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 122, 177) }
```

Border

The CSS property to change the border of an element to XYZ 21.7054, 20.6041, 44.4280 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(113, 122, 177) }
```


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

```
.border{ border-color:rgb(113, 122, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 122, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 122, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 122, 177);  
box-shadow:4px 4px 4px 4px rgb(113, 122,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7054, 20.6041, 44.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 122, 177) }
```

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

```
.background{ background-color: rgb(113,  
122, 177) }
```

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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