

Converting Colors

XYZ(21.6968, 17.7612, 37.5351)

Have a look what the booklet for
XYZ(21.6968, 17.7612, 37.5351)
contains.

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Color

**XYZ(21.6428, 17.7319,
37.4038)**

Conversions

Conversions Part 1

Format	Color
Hex	8768A4
RGB	135, 104, 164
RGB Percent	53%, 41%, 64%
CMY	0.4706, 0.5921, 0.3569
CMYK	0.18, 0.37, 0.00, 0.36
HSL	271°, 25%, 53%
HSV	271°, 37%, 64%
XYZ	21.6428, 17.7319, 37.4038
YIQ	120.1090, -0.7840, 25.2320

Conversions

Conversions Part 2

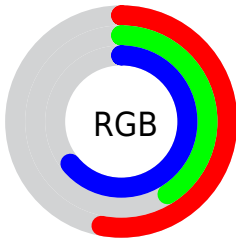
Format	Color
R _Y B	135, 104, 164
Decimal	8874148
CIE Lab	49.17, 24.42, -27.71
CIE LCh	49, 36.937, 311.391
Yxy	17.7319, 0.2819, 0.2309
Android (android.graphics.Color)	4287064228 (0xFF8768A4)
YUV	120.1090, 21.6383, 13.0594
Hunter-Lab	42.1093, 18.0520, -23.1882

Details

The XYZ color **21.6428, 17.7319, 37.4038** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.4476, 32.5374, 18.0366**, and the grayscale version is **17.8212, 18.7492, 20.4179**.

A 20% lighter version of the original color is **45.6609, 39.7102, 72.2761**, and **7.9950, 5.8830, 16.0434** is the 20% darker color. If you saturate the color by 10%, you get **18.9216, 14.1126, 36.8489**, and if you desaturate by 10%, it is **24.7812, 22.0437, 38.0709**.

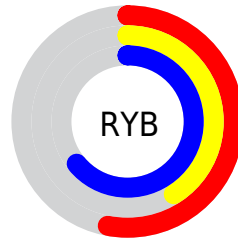
Distribution



Red (53%)

Green (41%)

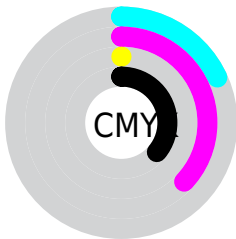
Blue (64%)



Red (53%)

Yellow (41%)

Blue (64%)

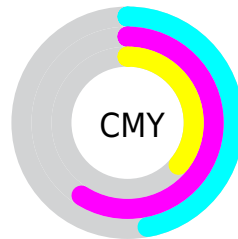


Cyan (18%)

Magenta (37%)

Yellow (0%)

Black (36%)



Cyan (47%)

Magenta (59%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6428, 17.7319, 37.4038 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 21.6428, 17.7319, 37.4038 by changing the saturation by 10% instead.

■ 21.6428, 17.7319,
37.4038

■ 21.6428, 17.7319,
37.4038

253.3427,
239.3555, 350.2767

■ 13.7098, 10.7577,
25.2221

■ 45.6382, 39.5800,
72.3866

■ 7.9995, 5.9041,
16.0220

■ 62.4313, 55.2226,
96.0248

■ 4.1464, 2.7869,
9.3852

■ 82.9084, 74.5235,
124.3189

■ 1.7853, 1.0215,
4.8931

■ 107.4350, 97.8670,
157.6874

■ 0.5088, 0.0000,
2.1270

136.3764,
125.6376, 196.5489

■ 0.0000, 0.0000,
0.6318

170.0979,

■ 0.0000, 0.0000,

158.2196, 241.3219

0.0000

208.9649,
195.9974, 292.4250

■ 21.6428, 17.7319,
37.4038

■ 21.6428, 17.7319,
37.4038

■ 18.9216, 14.1126,
36.8489

■ 24.7812, 22.0437,
38.0709

■ 16.5951, 11.1451,
36.3988

■ 28.3542, 27.0812,
38.8550

■ 14.6411, 8.7879,
36.0468

■ 32.3803, 32.8781,
39.7617


■ 13.0343, 6.9935,
35.7851


■ 36.8762, 39.4651,
40.7961


■ 11.7454, 5.7069,
35.6047


■ 41.8580, 46.8714,
41.9631


 10.7334, 4.8495,
35.4925

 47.3407, 55.1247,
43.2672

 10.4230, 4.5992,
35.4606

 53.3387, 64.2511,
44.7127

 59.8660, 74.2760,
46.3036

 66.9357, 85.2233,
48.0441

Harmonies

Analogous

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



18.2011, 17.7319, 44.6336



21.6428, 17.7319, 37.4038



23.9723, 17.7319, 26.0426

Triad

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



21.6428, 17.7319, 37.4038



19.0654, 17.7319, 6.3000



11.1402, 17.7319, 23.3171

Complementary

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



21.6428, 17.7319, 37.4038



25.4476, 32.5374, 18.0366

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.



11.3054, 17.7319, 13.8462



21.6428, 17.7319, 37.4038



15.5743, 17.7319, 6.0105

Square

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



21.6428, 17.7319, 37.4038



22.3495, 17.7319, 9.2557



12.8289, 17.7319, 8.2558



12.3418, 17.7319, 34.8312

Rectangle

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



21.6428, 17.7319, 37.4038



24.4120, 17.7319, 18.8484



12.8289, 17.7319, 8.2558



11.0426, 17.7319, 19.7730

Sweetspot

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



21.6434, 17.7326, 37.4042



55.2924, 54.6392, 71.3845



20.9355, 22.6743, 38.3953



11.8856, 11.6540, 15.5605



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.



21.6434, 17.7326, 37.4042



35.1602, 26.6826, 67.0494



26.9615, 20.4742, 37.6531



7.0331, 7.0314, 8.8896



8.0471, 3.5549, 27.1918



0.2234, 0.1027, 0.5739

Inverse Universe

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



24.4944, 19.4873, 24.6616



41.3383, 30.4827, 39.5442



21.4837, 30.4939, 17.8511



7.2097, 7.1403, 8.0907



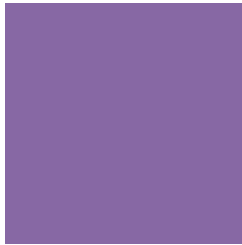
12.8523, 6.4970, 6.4130



0.2939, 0.1461, 0.2605

Previews

White Background



This preview shows how the XYZ color 21.6428, 17.7319, 37.4038 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 21.6428, 17.7319, 37.4038 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 21.6428, 17.7319, 37.4038

Background



This preview shows how black text looks on a background with the XYZ color 21.6428, 17.7319, 37.4038.



This preview shows how white text looks on a background with the XYZ color 21.6428, 17.7319,

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

21.6428, 17.7319, 37.4038

Protanopia

18.7106, 17.8753, 41.9993

Deuteranopia

18.3605, 17.9830, 36.6858



Tritanopia

18.3201, 17.8046, 20.8834

Trichromacy



Original Color

21.6428, 17.7319, 37.4038

Protanomaly

19.4957, 17.6507, 40.4096

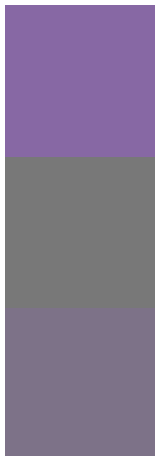
Deuteranomaly

19.4753, 17.8775, 37.0746

Tritanomaly

19.4514, 17.7833, 26.0742

Monochromacy



Original Color

21.6428, 17.7319, 37.4038

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.9187, 18.1722, 25.8030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6428, 17.7319, 37.4038 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(135, 104, 164)` looks like.

```
.text, #text, p{  
    color:rgb(135, 104, 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(135, 104, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 104, 164) }
```

Border

The CSS property to change the border of an element to XYZ 21.6428, 17.7319, 37.4038 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(135, 104, 164) }
```


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

```
.border{ border-color:rgb(135, 104, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 104, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 104, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 104, 164);  
box-shadow:4px 4px 4px 4px rgb(135, 104,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6428, 17.7319, 37.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 104, 164) }
```

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

```
.background{ background-color: rgb(135,  
104, 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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