

Converting Colors

XYZ(17.7280, 10.4583, 74.4846)

Have a look what the booklet for
XYZ(17.7280, 10.4583, 74.4846)
contains.

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Color

**XYZ(17.7557, 10.5153,
74.4926)**

Conversions

Conversions Part 1

Format	Color
Hex	3A43E4
RGB	58, 67, 228
RGB Percent	23%, 26%, 89%
CMY	0.7725, 0.7373, 0.1059
CMYK	0.75, 0.71, 0.00, 0.11
HSL	237°, 76%, 56%
HSV	237°, 75%, 89%
XYZ	17.7557, 10.5153, 74.4926
YIQ	82.6630, -57.0450, 48.1630

Conversions

Conversions Part 2

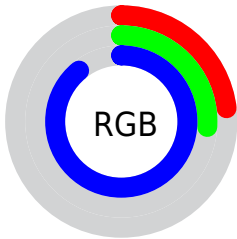
Format	Color
R_{YB}	58, 67, 228
Decimal	3818468
CIE _{Lab}	38.75, 49.83, -81.83
CIE _{LCh}	39, 95.808, 301.338
Yxy	10.5153, 0.1728, 0.1023
Android (android.graphics.Color)	4282008548 (0xFF3A43E4)
YUV	82.6630, 71.6511, -21.6295
Hunter-Lab	32.4273, 40.9906, -113.5030

Details

The XYZ color **17.7557, 10.5153, 74.4926** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **58.0946, 67.4707, 13.9660**, and the grayscale version is **8.0225, 8.4403, 9.1915**.

A 20% lighter version of the original color is **33.5013, 24.4566, 97.5626**, and **7.6376, 3.5141, 38.8038** is the 20% darker color. If you saturate the color by 10%, you get **15.6579, 7.8702, 74.0929**, and if you desaturate by 10%, it is **20.9196, 14.4198, 75.0798**.

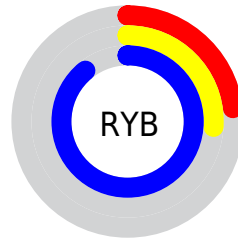
Distribution



Red (23%)

Green (26%)

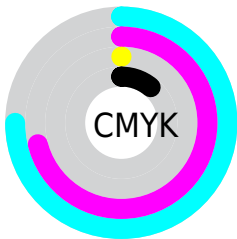
Blue (89%)



Red (23%)

Yellow (26%)

Blue (89%)

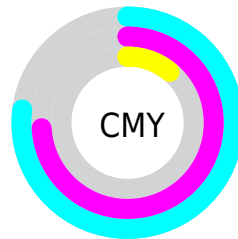


Cyan (75%)

Magenta (71%)

Yellow (0%)

Black (11%)



Cyan (77%)

Magenta (74%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7557, 10.5153, 74.4926 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 17.7557, 10.5153, 74.4926 by changing the saturation by 10% instead.

■ 17.7557, 10.5153,
74.4926

■ 17.7557, 10.5153,
74.4926

232.5627,
194.3113, 495.3806

■ 10.8734, 5.7419,
54.6981

■ 39.1540, 26.7603,
127.3343

■ 6.0484, 2.6888,
38.7631

■ 54.4006, 39.0008,
161.2186

■ 2.9155, 0.9715,
26.2691

■ 73.1660, 54.4990,
200.6366

■ 1.1092, 0.0000,
16.7975

■ 95.8156, 73.6395,
246.0068

■ 0.0328, 0.0000,
9.9298

■ 122.7147, 96.8066,
297.7478

■ 0.0000, 0.0000,
5.2474

154.2287,

■ 0.0000, 0.0000,

124.3846, 356.2780

2.3319

190.7229,
156.7581, 422.0161

■ 0.0000, 0.0000,
0.7490

■ 0.0000, 0.0000,
0.0000

■ 17.7557, 10.5153,
74.4926

■ 17.7557, 10.5153,
74.4926

■ 15.6579, 7.8702,
74.0929

■ 20.9196, 14.4198,
75.0798

■ 14.4838, 6.3280,
73.8571

■ 25.2640, 19.7139,
75.8727

■ 14.1357, 5.8657,
73.7862

■ 30.8908, 26.5123,
76.8884

■ 37.8902, 34.9174,
78.1418

■ 46.3445, 45.0229,
79.6468

■ 56.3293, 56.9151,
81.4159

■ 67.9152, 70.6745,
83.4611

■ 81.1681, 86.3766,
85.7934

■ 91.0037, 98.3815,
87.5922

Harmonies

Analogous

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



10.2813, 10.5153, 93.6207



17.7557, 10.5153, 74.4926



24.9316, 10.5153, 37.6304

Triad

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



17.7557, 10.5153, 74.4926



17.0435, 10.5153, 0.0000



2.0962, 10.5153, 12.2826

Complementary

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



17.7557, 10.5153, 74.4926



58.0946, 67.4707, 13.9660

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.



2.6667, 10.5153, 1.5475



17.7557, 10.5153, 74.4926



9.7130, 10.5153, 0.0000

Square

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



17.7557, 10.5153, 74.4926



24.4125, 10.5153, 1.2052



4.9065, 10.5153, 0.0000



2.7862, 10.5153, 40.8332

Rectangle

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



17.7557, 10.5153, 74.4926



27.5034, 10.5153, 17.5431



4.9065, 10.5153, 0.0000



2.1444, 10.5153, 6.9607

Sweetspot

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



17.7564, 10.5155, 74.4929



62.6656, 61.5263, 103.1807



41.9704, 61.3795, 75.0548



12.7077, 12.3280, 21.9597



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.



17.7564, 10.5155, 74.4929



19.2906, 8.9883, 95.3259



24.9822, 13.5082, 74.6897



13.6437, 14.0087, 18.1292



8.1886, 3.4393, 42.6154



0.6268, 0.2975, 3.1564

Inverse Universe

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



34.5218, 19.9267, 7.3366



42.0402, 22.2464, 4.0898



41.8987, 62.6960, 13.8980



14.4077, 14.3803, 15.0815



18.5267, 9.5449, 1.1368



1.3800, 0.7097, 0.1417

Previews

White Background



This preview shows how the XYZ color 17.7557, 10.5153, 74.4926 looks on a white background.

Color Contrast Check

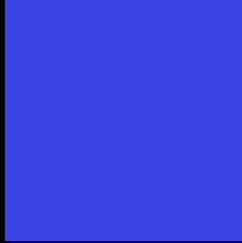
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7557, 10.5153, 74.4926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

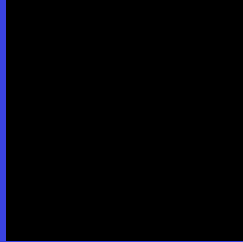
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.7557, 10.5153, 74.4926

Background



This preview shows how black text looks on a background with the XYZ color 17.7557, 10.5153, 74.4926.



This preview shows how white text looks on a background with the XYZ color 17.7557, 10.5153,

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

17.7557, 10.5153, 74.4926

Protanopia

12.0599, 10.2771, 46.6954

Deuteranopia

10.0002, 10.2630, 33.3522



Tritanopia

7.3075, 10.3689, 15.5262

Trichromacy



Original Color

17.7557, 10.5153, 74.4926

Protanomaly

13.6032, 10.0669, 55.8697

Deuteranomaly

12.0268, 9.9190, 46.0804

Tritanomaly

9.4676, 9.5386, 30.6203

Monochromacy



Original Color

17.7557, 10.5153, 74.4926

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.9219, 8.5412, 24.4182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7557, 10.5153, 74.4926 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(58, 67, 228)` looks like.

```
.text, #text, p{  
    color:rgb(58, 67, 228)  
}
```

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(58, 67, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 67, 228) }
```

Border

The CSS property to change the border of an element to XYZ 17.7557, 10.5153, 74.4926 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(58, 67, 228) }
```


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

```
.border{ border-color:rgb(58, 67, 228) }
```

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

Here you see how a box with a 4 pixel rgb(58, 67, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 67, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 67, 228);  
box-shadow:4px 4px 4px 4px rgb(58, 67,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7557, 10.5153, 74.4926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 67, 228) }
```

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

```
.background{ background-color: rgb(58, 67,  
228) }
```

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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