

Converting Colors

XYZ(10.5849, 10.0881, 22.4436)

Have a look what the booklet for
XYZ(10.5849, 10.0881, 22.4436)
contains.

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Color

**XYZ(10.5793, 10.0478,
22.5009)**

Conversions

Conversions Part 1

Format	Color
Hex	4E5782
RGB	78, 87, 130
RGB Percent	31%, 34%, 51%
CMY	0.6941, 0.6588, 0.4902
CMYK	0.40, 0.33, 0.00, 0.49
HSL	230°, 25%, 41%
HSV	230°, 40%, 51%
XYZ	10.5793, 10.0478, 22.5009
YIQ	89.2110, -19.1670, 11.4650

Conversions

Conversions Part 2

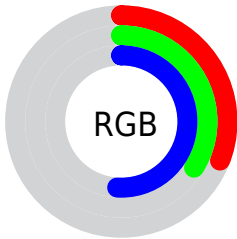
Format	Color
R_{YB}	78, 86, 130
Decimal	5134210
CIE Lab	37.93, 8.07, -25.26
CIE LCh	38, 26.520, 287.708
Yxy	10.0478, 0.2453, 0.2330
Android (android.graphics.Color)	4283324290 (0xFF4E5782)
YUV	89.2110, 20.1090, -9.8320
Hunter-Lab	31.6983, 4.1024, -19.8980

Details

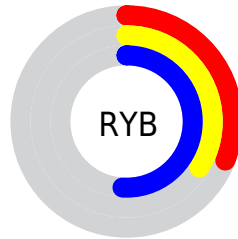
The XYZ color **10.5793, 10.0478, 22.5009** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.4186, 18.9707, 9.9517**, and the grayscale version is **9.5024, 9.9972, 10.8870**.

A 20% lighter version of the original color is **26.5462, 25.9773, 48.4147**, and **2.7826, 2.4963, 7.9246** is the 20% darker color. If you saturate the color by 10%, you get **8.8112, 7.9393, 22.1873**, and if you desaturate by 10%, it is **12.6883, 12.5249, 22.8681**.

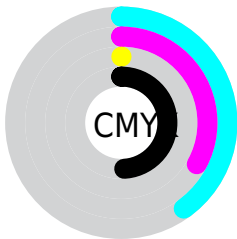
Distribution



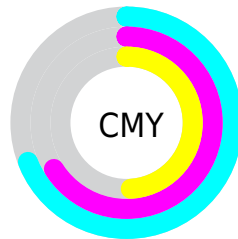
- Red (31%)
- Green (34%)
- Blue (51%)



- Red (31%)
- Yellow (34%)
- Blue (51%)



- Cyan (40%)
- Magenta (33%)
- Yellow (0%)
- Black (49%)



- Cyan (69%)
- Magenta (66%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5793, 10.0478, 22.5009 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 10.5793, 10.0478, 22.5009 by changing the saturation by 10% instead.

■ 10.5793, 10.0478,
22.5009

■ 10.5793, 10.0478,
22.5009

188.7266,
191.0129, 278.1894

■ 5.8499, 5.4307,
14.0236

■ 26.5195, 25.8854,
48.4853

■ 2.7938, 2.5021,
7.9981

■ 38.4609, 37.8746,
66.8294

■ 1.0457, 0.8777,
4.0060

■ 53.5371, 53.0900,
89.2995

■ 0.0000, 0.0000,
1.6286

■ 72.1134, 71.9159,
116.3142

■ 0.0000, 0.0000,
0.3111

■ 94.5552, 94.7367,
148.2920

■ 0.0000, 0.0000,
0.0000

121.2277,

121.9369, 185.6514

152.4964,
153.9008, 228.8111

■ 10.5793, 10.0478,
22.5009

■ 10.5793, 10.0478,
22.5009

■ 8.8112, 7.9393,
22.1873

■ 12.6883, 12.5249,
22.8681

■ 7.3648, 6.1803,
21.9240

■ 15.1540, 15.3861,
23.2904

■ 6.2205, 4.7520,
21.7086

■ 17.9925, 18.6474,
23.7703

■ 5.3561, 3.6329,
21.5382

■ 21.2183, 22.3234,
24.3098

■ 4.7462, 2.7991,
21.4094

■ 24.8456, 26.4281,
24.9109

■ 4.3259, 2.2049,
21.3168

■ 28.8874, 30.9748,
25.5755

■ 4.3259, 2.2049,
21.3168

■ 33.3565, 35.9762,
26.3053

■ 38.2650, 41.4447,
27.1021

■ 43.6243, 47.3918,
27.9675

Harmonies

Analogous

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



8.8710, 10.0478, 22.8732



10.5793, 10.0478, 22.5009



12.1779, 10.0478, 18.5262

Triad

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



10.5793, 10.0478, 22.5009



11.9229, 10.0478, 5.3737



6.6991, 10.0478, 9.0659

Complementary

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



10.5793, 10.0478, 22.5009



17.4186, 18.9707, 9.9517

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.



7.3305, 10.0478, 5.7726



10.5793, 10.0478, 22.5009



10.2631, 10.0478, 4.1058

Square

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



10.5793, 10.0478, 22.5009



13.0147, 10.0478, 8.3327



8.5900, 10.0478, 4.2261



6.7624, 10.0478, 14.0420

Rectangle

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



10.5793, 10.0478, 22.5009



12.9051, 10.0478, 14.8894



8.5900, 10.0478, 4.2261



6.8337, 10.0478, 7.7597

Sweetspot

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



10.5797, 10.0482, 22.5011



30.4908, 31.4707, 41.6599



14.5433, 18.9526, 20.8101



6.7823, 6.9866, 9.4094



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.5797, 10.0482, 22.5011



15.7769, 14.2940, 39.1200



11.4180, 9.4652, 22.3444



4.1644, 4.3228, 5.4282



4.1517, 2.1218, 20.4407



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.6509, 10.8830, 10.3984



22.0360, 16.2074, 14.4073



16.2369, 20.0617, 10.2245



4.3558, 4.3555, 4.6782



8.9725, 4.6087, 1.1792



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.5793, 10.0478, 22.5009 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 10.5793, 10.0478, 22.5009 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

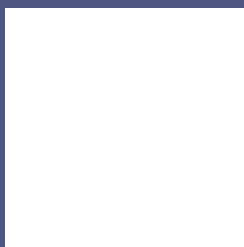
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.5793, 10.0478, 22.5009

Background



This preview shows how black text looks on a background with the XYZ color 10.5793, 10.0478, 22.5009.

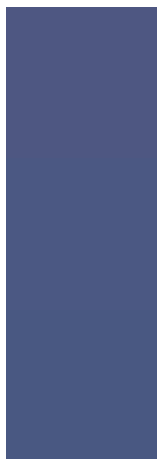


This preview shows how white text looks on a background with the XYZ color 10.5793, 10.0478,

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

10.5793, 10.0478, 22.5009

Protanopia

10.4881, 10.1140, 22.8721

Deuteranopia

10.2666, 10.0076, 22.5096



Tritanopia

8.8131, 10.0884, 13.5393

Trichromacy



Original Color

10.5793, 10.0478, 22.5009

Protanomaly

10.5669, 10.1546, 22.8758

Deuteranomaly

10.4206, 10.0870, 22.5169

Tritanomaly

9.4344, 10.0857, 16.4884

Monochromacy



Original Color

10.5793, 10.0478, 22.5009

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.7347, 9.9102, 14.4965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5793, 10.0478, 22.5009 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(78, 87, 130)` looks like.

```
.text, #text, p{  
    color:rgb(78, 87, 130)  
}
```

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(78, 87, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 87, 130) }
```

Border

The CSS property to change the border of an element to XYZ 10.5793, 10.0478, 22.5009 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(78, 87, 130) }
```


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

```
.border{ border-color:rgb(78, 87, 130) }
```

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

Here you see how a box with a 4 pixel rgb(78, 87, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 87, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 87, 130);  
box-shadow:4px 4px 4px 4px rgb(78, 87,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5793, 10.0478, 22.5009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 87, 130) }
```

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

```
.background{ background-color: rgb(78, 87,  
130) }
```

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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