

Converting Colors

XYZ(23.7458, 21.0247, 54.6322)

Have a look what the booklet for
XYZ(23.7458, 21.0247, 54.6322)
contains.

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Color

**XYZ(23.7693, 21.0861,
54.4470)**

Conversions

Conversions Part 1

Format	Color
Hex	7478C3
RGB	116, 120, 195
RGB Percent	45%, 47%, 76%
CMY	0.5451, 0.5294, 0.2353
CMYK	0.41, 0.38, 0.00, 0.24
HSL	237°, 40%, 61%
HSV	237°, 41%, 76%
XYZ	23.7693, 21.0861, 54.4470
YIQ	127.3540, -26.4590, 22.4770

Conversions

Conversions Part 2

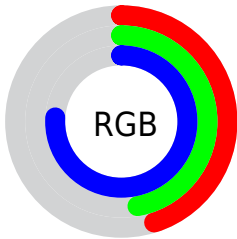
Format	Color
R_{YB}	116, 120, 195
Decimal	7633091
CIE _{Lab}	53.04, 17.41, -39.70
CIE _{LCh}	53, 43.355, 293.679
Yxy	21.0861, 0.2394, 0.2123
Android (android.graphics.Color)	4285823171 (0xFF7478C3)
YUV	127.3540, 33.3495, -9.9575
Hunter-Lab	45.9196, 12.0374, -38.1566

Details

The XYZ color **23.7693, 21.0861, 54.4470** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **44.2898, 50.1259, 23.8651**, and the grayscale version is **20.1905, 21.2420, 23.1326**.

A 20% lighter version of the original color is **49.1178, 45.1912, 98.2295**, and **9.1117, 7.5820, 26.1825** is the 20% darker color. If you saturate the color by 10%, you get **19.4288, 15.8570, 53.6669**, and if you desaturate by 10%, it is **29.0859, 27.4581, 55.3971**.

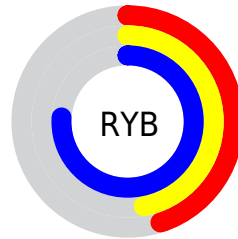
Distribution



Red (45%)

Green (47%)

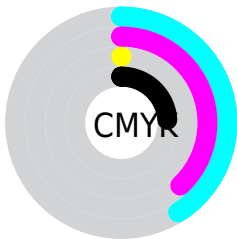
Blue (76%)



Red (45%)

Yellow (47%)

Blue (76%)

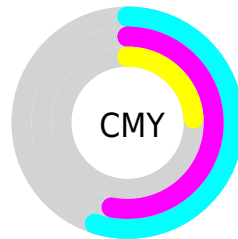


Cyan (41%)

Magenta (38%)

Yellow (0%)

Black (24%)



Cyan (55%)

Magenta (53%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7693, 21.0861, 54.4470 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 23.7693, 21.0861, 54.4470 by changing the saturation by 10% instead.

■ 23.7693, 21.0861,
54.4470

■ 23.7693, 21.0861,
54.4470

264.1142,
257.7357, 421.0350

■ 15.2864, 13.1870,
38.5635

■ 49.1109, 45.2308,
98.1933

■ 9.1082, 7.5574,
26.1151

■ 66.7003, 62.2451,
126.8931

■ 4.8695, 3.8131,
16.6833

■ 88.0559, 83.0666,
160.7022

■ 2.2049, 1.5696,
9.8494

113.5430,
108.0797, 200.0391

■ 0.7453, 0.3369,
5.1949

143.5270,
137.6688, 245.3223

■ 0.0000, 0.0000,
2.3013

178.3734,

■ 0.0000, 0.0000,

172.2182, 296.9703

0.7320

218.4473,
212.1124, 355.4017

■ 0.0000, 0.0000,
0.0000

■ 23.7693, 21.0861,
54.4470

■ 23.7693, 21.0861,
54.4470

■ 19.4288, 15.8570,
53.6669

■ 29.0859, 27.4581,
55.3971

■ 16.0027, 11.7009,
53.0452

■ 35.4305, 35.0326,
56.5247

■ 13.4262, 8.5441,
52.5717

■ 42.8540, 43.8680,
57.8389

■ 11.6249, 6.3024,
52.2339

■ 51.4035, 54.0179,
59.3474

■ 10.5114, 4.8777,
52.0176

■ 61.1231, 65.5331,
61.0578

■ 9.9575, 4.1544,
51.9072

■ 72.0546, 78.4615,
62.9771

■ 84.2377, 92.8489,
65.1120

■ 86.8504, 96.7202,
65.7215

Harmonies

Analogous

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



19.0927, 21.0861, 58.0064



23.7693, 21.0861, 54.4470



27.9598, 21.0861, 41.2531

Triad

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



23.7693, 21.0861, 54.4470



25.6903, 21.0861, 8.0984



12.5356, 21.0861, 20.3066

Complementary

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



23.7693, 21.0861, 54.4470



44.2898, 50.1259, 23.8651

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.



13.7804, 21.0861, 11.0757



23.7693, 21.0861, 54.4470



21.0216, 21.0861, 5.9627

Square

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



23.7693, 21.0861, 54.4470



29.1812, 21.0861, 14.2863



16.7257, 21.0861, 6.7964



13.0427, 21.0861, 34.5792

Rectangle

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



23.7693, 21.0861, 54.4470



29.6778, 21.0861, 30.7547



16.7257, 21.0861, 6.7964



12.7561, 21.0861, 16.6067

Sweetspot

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



23.7701, 21.0869, 54.4475



74.3863, 75.7555, 103.1715



35.9835, 46.4499, 55.6322



15.8862, 16.1096, 22.5221



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.



23.7701, 21.0869, 54.4475



35.3228, 29.0352, 96.2124



28.7173, 22.9382, 54.5441



9.5683, 9.8279, 12.6775



6.4904, 2.7374, 33.7429



0.2948, 0.1471, 1.4627

Inverse Universe

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



32.1420, 25.4500, 20.9882



52.4993, 38.1637, 27.5248



37.3192, 47.8446, 23.7922



10.0934, 10.0860, 10.5824



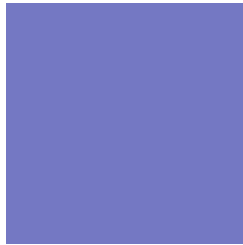
14.6720, 7.5586, 0.9191



0.6412, 0.3295, 0.0780

Previews

White Background



This preview shows how the XYZ color 23.7693, 21.0861, 54.4470 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 23.7693, 21.0861, 54.4470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

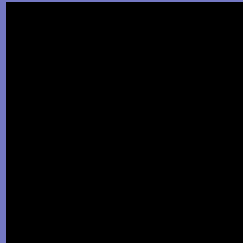
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7693, 21.0861, 54.4470

Background



This preview shows how black text looks on a background with the XYZ color 23.7693, 21.0861, 54.4470.

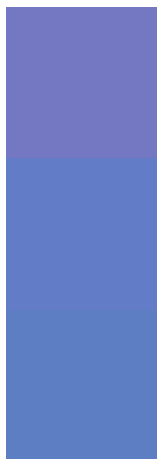


This preview shows how white text looks on a background with the XYZ color 23.7693, 21.0861,

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

23.7693, 21.0861, 54.4470

Protanopia

22.6620, 21.1915, 56.9288

Deuteranopia

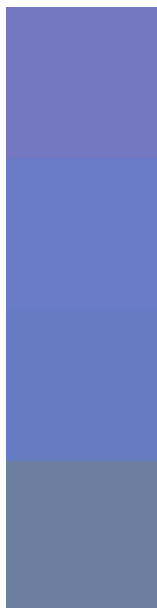
21.7127, 21.1439, 53.9757



Tritanopia

18.5923, 21.0692, 28.6780

Trichromacy



Original Color

23.7693, 21.0861, 54.4470

Protanomaly

23.1017, 21.2464, 56.3095

Deuteranomaly

22.3121, 21.0770, 53.9312

Tritanomaly

20.2067, 20.9401, 36.6950

Monochromacy



Original Color

23.7693, 21.0861, 54.4470

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.0435, 20.8933, 32.6295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7693, 21.0861, 54.4470 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, 120, 195)` looks like.

```
.text, #text, p{  
    color:rgb(116, 120, 195)  
}
```

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, 120, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 120, 195) }
```

Border

The CSS property to change the border of an element to XYZ 23.7693, 21.0861, 54.4470 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, 120, 195) }
```


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

```
.border{ border-color:rgb(116, 120, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 120, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 120, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 120, 195);  
box-shadow:4px 4px 4px 4px rgb(116, 120,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7693, 21.0861, 54.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 120, 195) }
```

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

```
.background{ background-color: rgb(116,  
120, 195) }
```

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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