

Converting Colors

XYZ(24.2045, 21.1023, 52.6573)

Have a look what the booklet for
XYZ(24.2045, 21.1023, 52.6573)
contains.

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Color

**XYZ(24.2796, 21.2104,
52.6835)**

Conversions

Conversions Part 1

Format	Color
Hex	7B77C0
RGB	123, 119, 192
RGB Percent	48%, 47%, 75%
CMY	0.5176, 0.5333, 0.2471
CMYK	0.36, 0.38, 0.00, 0.25
HSL	243°, 37%, 61%
HSV	243°, 38%, 75%
XYZ	24.2796, 21.2104, 52.6835
YIQ	128.5180, -21.0490, 23.5510

Conversions

Conversions Part 2

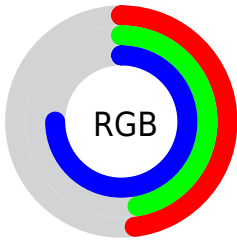
Format	Color
R_{YB}	123, 119, 192
Decimal	8091584
CIE _{Lab}	53.18, 19.07, -37.74
CIE _{LCh}	53, 42.282, 296.804
Yxy	21.2104, 0.2473, 0.2161
Android (android.graphics.Color)	4286281664 (0xFF7B77C0)
YUV	128.5180, 31.2966, -4.8393
Hunter-Lab	46.0548, 13.5076, -35.5854

Details

The XYZ color **24.2796, 21.2104, 52.6835** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **42.9189, 49.7230, 24.7890**, and the grayscale version is **20.5982, 21.6709, 23.5996**.

A 20% lighter version of the original color is **50.0219, 45.4304, 95.7550**, and **9.3665, 7.6435, 25.0264** is the 20% darker color. If you saturate the color by 10%, you get **19.8614, 15.8768, 51.8873**, and if you desaturate by 10%, it is **29.6422, 27.7169, 53.6571**.

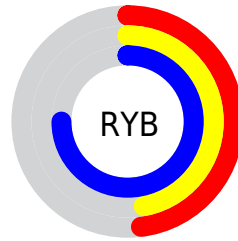
Distribution



Red (48%)

Green (47%)

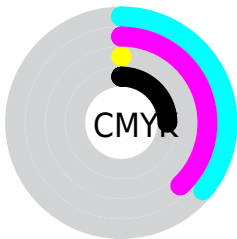
Blue (75%)



Red (48%)

Yellow (47%)

Blue (75%)

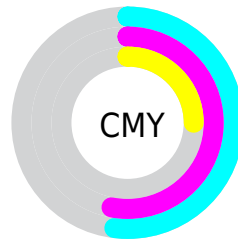


Cyan (36%)

Magenta (38%)

Yellow (0%)

Black (25%)



Cyan (52%)

Magenta (53%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2796, 21.2104, 52.6835 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 24.2796, 21.2104, 52.6835 by changing the saturation by 10% instead.

■ 24.2796, 21.2104,
52.6835

■ 24.2796, 21.2104,
52.6835

266.6453,
258.3945, 414.1015

■ 15.6670, 13.2779,
37.1642

■ 49.9374, 45.4374,
95.5753

■ 9.3782, 7.6202,
25.0378

■ 67.7134, 62.5007,
123.7849

■ 5.0477, 3.8529,
15.8860

■ 89.2746, 83.3764,
157.0616

■ 2.3104, 1.5916,
9.2900

114.9862,
108.4489, 195.8240

■ 0.8000, 0.3519,
4.8314

145.2138,
138.1026, 240.4906

■ 0.0000, 0.0000,
2.0917

180.3226,

■ 0.0000, 0.0000,

172.7218, 291.4801

0.6108

220.6780,
212.6910, 349.2108

■ 0.0000, 0.0000,
0.0000

■ 24.2796, 21.2104,
52.6835

■ 24.2796, 21.2104,
52.6835

■ 19.8614, 15.8768,
51.8873

■ 29.6422, 27.7169,
53.6571

■ 16.3306, 11.6439,
51.2563

■ 35.9971, 35.4577,
54.8163

■ 13.6279, 8.4355,
50.7795

■ 43.3916, 44.4930,
56.1706

■ 11.6854, 6.1647,
50.4436

■ 51.8695, 54.8782,
57.7283

■ 10.4248, 4.7300,
50.2331

■ 61.4721, 66.6655,
59.4974

■ 9.7387, 3.9826,
50.1250

■ 72.2382, 79.9045,
61.4853

■ 9.6463, 3.8737,
50.1088

■ 84.2052, 94.6421,
63.6992

■ 86.5145, 96.5858,
63.9527

Harmonies

Analogous

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



19.6855, 21.2104, 57.3202



24.2796, 21.2104, 52.6835



28.2213, 21.2104, 39.3200

Triad

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



24.2796, 21.2104, 52.6835



25.2290, 21.2104, 8.0360



12.7524, 21.2104, 21.7522

Complementary

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



24.2796, 21.2104, 52.6835



42.9189, 49.7230, 24.7890

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.



13.8014, 21.2104, 12.0886



24.2796, 21.2104, 52.6835



20.6417, 21.2104, 6.2277

Square

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



24.2796, 21.2104, 52.6835



28.8238, 21.2104, 13.6953



16.5347, 21.2104, 7.3775



13.4334, 21.2104, 36.0347

Rectangle

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



24.2796, 21.2104, 52.6835



29.7149, 21.2104, 29.1671



16.5347, 21.2104, 7.3775



12.9101, 21.2104, 17.9294

Sweetspot

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



24.2804, 21.2112, 52.6840



74.1851, 75.1911, 100.9636



35.1808, 43.8444, 56.4781



15.5162, 15.6433, 21.5870



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.2804, 21.2112, 52.6840



36.9223, 29.8930, 94.1842



30.4398, 24.3865, 52.9723



9.5783, 9.7737, 12.6665



6.5124, 2.6177, 33.7186



0.2994, 0.1224, 1.4577

Inverse Universe

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



37.4127, 28.0317, 51.0160



64.3135, 44.1258, 90.3979



35.1008, 45.6926, 24.4231



10.4727, 10.2377, 12.5797



20.2824, 9.8027, 30.4631



0.8838, 0.4265, 1.3552

Previews

White Background



This preview shows how the XYZ color 24.2796, 21.2104, 52.6835 looks on a white background.

Color Contrast Check

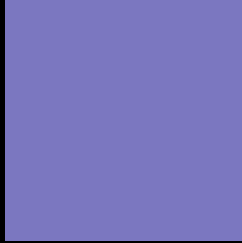
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2796, 21.2104, 52.6835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

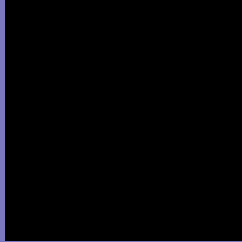
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.2796, 21.2104, 52.6835

Background



This preview shows how black text looks on a background with the XYZ color 24.2796, 21.2104, 52.6835.



This preview shows how white text looks on a background with the XYZ color 24.2796, 21.2104,

52.6835.

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

24.2796, 21.2104, 52.6835

Protanopia

22.7785, 21.4652, 55.7660

Deuteranopia

21.7921, 21.2361, 51.6656



Tritanopia

19.2718, 21.2382, 27.8946

Trichromacy



Original Color

24.2796, 21.2104, 52.6835

Protanomaly

23.2400, 21.3573, 54.5272

Deuteranomaly

22.5503, 21.0533, 52.1654

Tritanomaly

20.7891, 21.0698, 35.7721

Monochromacy



Original Color

24.2796, 21.2104, 52.6835

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.7535, 21.4463, 32.6988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2796, 21.2104, 52.6835 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(123, 119, 192)` looks like.

```
.text, #text, p{  
    color:rgb(123, 119, 192)  
}
```

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(123, 119, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 119, 192) }
```

Border

The CSS property to change the border of an element to XYZ 24.2796, 21.2104, 52.6835 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(123, 119, 192) }
```


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

```
.border{ border-color:rgb(123, 119, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 119, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 119, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 119, 192);  
box-shadow:4px 4px 4px 4px rgb(123, 119,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2796, 21.2104, 52.6835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 119, 192) }
```

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

```
.background{ background-color: rgb(123,  
119, 192) }
```

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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