

Converting Colors

XYZ(12.8321, 5.4596, 52.8111)

Have a look what the booklet for
XYZ(12.8321, 5.4596, 52.8111)
contains.

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Color

**XYZ(12.7878, 5.4414,
52.6008)**

Conversions

Conversions Part 1

Format	Color
Hex	4A00C4
RGB	74, 0, 196
RGB Percent	29%, 0%, 77%
CMY	0.7098, 1.0000, 0.2314
CMYK	0.62, 1.00, 0.00, 0.23
HSL	263°, 100%, 38%
HSV	263°, 100%, 77%
XYZ	12.7878, 5.4414, 52.6008
YIQ	44.4700, -18.8120, 76.6440

Conversions

Conversions Part 2

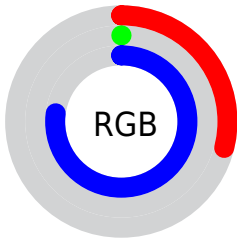
Format	Color
R_{YB}	74, 0, 196
Decimal	4849860
CIE _{Lab}	27.96, 66.74, -81.14
CIE _{LCh}	28, 105.061, 309.436
Yxy	5.4414, 0.1805, 0.0768
Android (android.graphics.Color)	4283039940 (0xFF4A00C4)
YUV	44.4700, 74.7043, 25.8978
Hunter-Lab	23.3268, 57.0321, -117.3673

Details

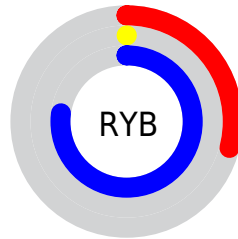
The XYZ color **12.7878, 5.4414, 52.6008** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **27.7653, 43.6171, 6.9556**, and the grayscale version is **2.3705, 2.4939, 2.7159**.

A 20% lighter version of the original color is **30.4377, 16.6933, 95.3838**, and **4.8077, 1.9231, 25.3171** is the 20% darker color. If you saturate the color by 10%, you get **12.7883, 5.4416, 52.6010**, and if you desaturate by 10%, it is **14.0637, 6.4600, 52.7304**.

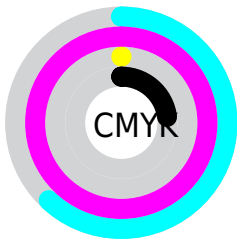
Distribution



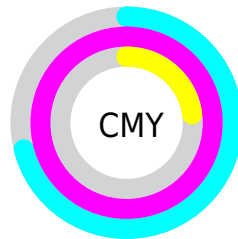
- Red (29%)
- Green (0%)
- Blue (77%)



- Red (29%)
- Yellow (0%)
- Blue (77%)



- Cyan (62%)
- Magenta (100%)
- Yellow (0%)
- Black (23%)



- Cyan (71%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7878, 5.4414, 52.6008 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 12.7878, 5.4414, 52.6008 by changing the saturation by 10% instead.

■ 12.7878, 5.4414,
52.6008

■ 12.7878, 5.4414,
52.6008

■ 203.2184,
154.0006, 413.7744

■ 7.3586, 2.5085,
37.0986

■ 30.5266, 16.7606,
95.4523

■ 3.7357, 0.8809,
24.9875

■ 43.5669, 25.9158,
123.6387

■ 1.5537, 0.0000,
15.8488

■ 59.8749, 37.9138,
156.8902

■ 0.3619, 0.0000,
9.2640

■ 79.8160, 53.1390,
195.6255

■ 0.0000, 0.0000,
4.8146

■ 103.7555, 71.9760,
240.2630


■ 0.0000, 0.0000,
2.0821


■ 132.0589, 94.8089,

■ 0.0000, 0.0000,

291.2213

0.6051

 165.0914,
122.0223, 348.9189

 0.0000, 0.0000,
0.0000


 12.7878, 5.4414,
52.6008


 12.7878, 5.4414,
52.6008


 12.7883, 5.4416,
52.6010

 14.0637, 6.4600,
52.7304

 15.7767, 8.0690,
52.9506

 18.0234, 10.4468,
53.2912

 20.8570, 13.6878,
53.7674

 24.3237, 17.8721,
54.3923

■ 28.4642, 23.0702,
55.1774

■ 33.3159, 29.3459,
56.1331

■ 38.9129, 36.7575,
57.2687

■ 45.2872, 45.3591,
58.5930

Harmonies

Analogous

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



6.7144, 5.4414, 78.6207



12.7878, 5.4414, 52.6008



18.1328, 5.4414, 19.4780

Triad

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



12.7878, 5.4414, 52.6008



8.8207, 5.4414, 0.0000



0.4117, 5.4414, 10.9518

Complementary

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



12.7878, 5.4414, 52.6008



27.7653, 43.6171, 6.9556

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.



0.5404, 5.4414, 0.7899



12.7878, 5.4414, 52.6008



3.8858, 5.4414, 0.0000

Square

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



12.7878, 5.4414, 52.6008



15.0686, 5.4414, 0.0000



1.4058, 5.4414, 0.0000



0.9666, 5.4414, 39.4034

Rectangle

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



12.7878, 5.4414, 52.6008



19.4267, 5.4414, 6.1707



1.4058, 5.4414, 0.0000



0.3771, 5.4414, 5.6854

Sweetspot

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



12.7883, 5.4416, 52.6010



59.9098, 52.5810, 101.5993



17.1882, 18.4343, 54.8769



11.9887, 10.1686, 21.5808



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.



12.7883, 5.4416, 52.6010



22.9037, 9.7222, 95.2771



26.5126, 12.5167, 53.2433



9.8797, 9.9291, 12.6806



8.3057, 3.5422, 33.8026



0.4356, 0.1926, 1.4641

Inverse Universe

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



26.2775, 13.1408, 19.5620



47.4735, 23.7534, 34.7551



20.1694, 39.7013, 6.6001



10.3308, 10.1809, 11.8327



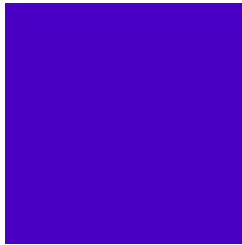
16.9274, 8.4607, 12.7954



0.7640, 0.3786, 0.7246

Previews

White Background



This preview shows how the XYZ color 12.7878, 5.4414, 52.6008 looks on a white background.

Color Contrast Check

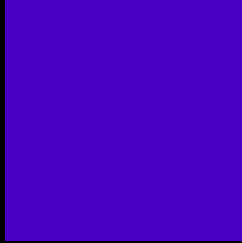
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 12.7878, 5.4414, 52.6008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.7878, 5.4414, 52.6008

Background



This preview shows how black text looks on a background with the XYZ color 12.7878, 5.4414, 52.6008.



This preview shows how white text looks on a background with the XYZ color 12.7878, 5.4414,

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

12.7878, 5.4414, 52.6008

Protanopia

6.5357, 5.7314, 24.8066

Deuteranopia

5.4602, 5.6883, 17.9497



Tritanopia

4.1074, 5.7781, 8.8814

Trichromacy



Original Color

12.7878, 5.4414, 52.6008

Protanomaly

7.5380, 4.3921, 33.2514

Deuteranomaly

6.5787, 4.1851, 27.6552

Tritanomaly

5.0841, 3.7770, 19.2000

Monochromacy



Original Color

12.7878, 5.4414, 52.6008

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

4.2429, 2.5436, 12.0717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7878, 5.4414, 52.6008 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(74, 0, 196)` looks like.

```
.text, #text, p{  
    color:rgb(74, 0, 196)  
}
```

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(74, 0, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 0, 196) }
```

Border

The CSS property to change the border of an element to XYZ 12.7878, 5.4414, 52.6008 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(74, 0, 196) }
```


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

```
.border{ border-color:rgb(74, 0, 196) }
```

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

Here you see how a box with a 4 pixel rgb(74, 0, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(74, 0, 196)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7878, 5.4414, 52.6008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 0, 196) }
```

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

```
.background{ background-color: rgb(74, 0,  
196) }
```

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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