

Converting Colors

XYZ(13.4306, 6.0529, 54.4324)

Have a look what the booklet for
XYZ(13.4306, 6.0529, 54.4324)
contains.

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Color

**XYZ(13.4268, 6.0520,
54.4933)**

Conversions

Conversions Part 1

Format	Color
Hex	4B12C7
RGB	75, 18, 199
RGB Percent	29%, 7%, 78%
CMY	0.7059, 0.9294, 0.2196
CMYK	0.62, 0.91, 0.00, 0.22
HSL	259°, 83%, 43%
HSV	259°, 91%, 78%
XYZ	13.4268, 6.0520, 54.4933
YIQ	55.6770, -24.1290, 68.3750

Conversions

Conversions Part 2

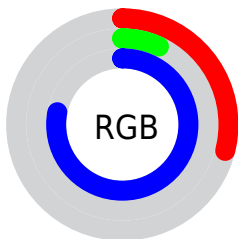
Format	Color
R _Y B	75, 18, 199
Decimal	4920007
CIE Lab	29.54, 64.10, -80.27
CIE LCh	30, 102.720, 308.609
Yxy	6.0520, 0.1815, 0.0818
Android (android.graphics.Color)	4283110087 (0xFF4B12C7)
YUV	55.6770, 70.6582, 16.9463
Hunter-Lab	24.6008, 54.3715, -114.1128

Details

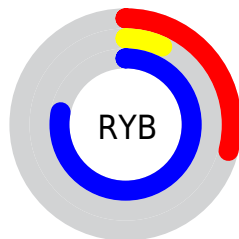
The XYZ color **13.4268, 6.0520, 54.4933** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **31.6856, 46.6402, 7.9044**, and the grayscale version is **3.6324, 3.8215, 4.1617**.

A 20% lighter version of the original color is **31.2819, 17.8779, 96.4098**, and **4.9579, 1.9832, 26.1081** is the 20% darker color. If you saturate the color by 10%, you get **12.3385, 5.1698, 54.3806**, and if you desaturate by 10%, it is **15.0838, 7.6090, 54.7067**.

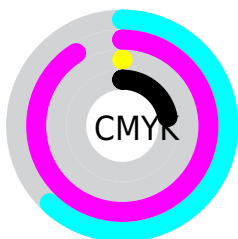
Distribution



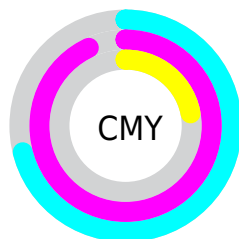
- Red (29%)
- Green (7%)
- Blue (78%)



- Red (29%)
- Yellow (7%)
- Blue (78%)



- Cyan (62%)
- Magenta (91%)
- Yellow (0%)
- Black (22%)



- Cyan (71%)
- Magenta (93%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4268, 6.0520, 54.4933 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 13.4268, 6.0520, 54.4933 by changing the saturation by 10% instead.

■ 13.4268, 6.0520,
54.4933

■ 13.4268, 6.0520,
54.4933

207.2179,
159.5365, 421.2160

■ 7.8021, 2.8767,
38.6003

■ 31.6633, 18.0389,
98.2619

■ 4.0193, 1.0677,
26.1435

■ 45.0058, 27.6194,
126.9745

■ 1.7131, 0.0000,
16.7043

■ 61.6516, 40.1036,
160.7975

■ 0.4644, 0.0000,
9.8642

■ 81.9661, 55.8761,
200.1493

■ 0.0000, 0.0000,
5.2046

■ 106.3146, 75.3213,
245.4486


■ 0.0000, 0.0000,
2.3070

■ 135.0625, 98.8235,


■ 0.0000, 0.0000,


297.1137

0.7351

 168.5752,
126.7671, 355.5634

 0.0000, 0.0000,
0.0000

 13.4268, 6.0520,
54.4933


 13.4268, 6.0520,
54.4933


 12.3385, 5.1698,
54.3806

 15.0838, 7.6090,
54.7067

 17.3218, 9.9695,
55.0444

 20.2011, 13.2352,
55.5230

 23.7733, 17.4922,
56.1564

 28.0844, 22.8160,
56.9567

■ 33.1759, 29.2748,
57.9351

■ 39.0864, 36.9311,
59.1014

■ 45.8514, 45.8425,
60.4649

■ 53.5046, 56.0629,
62.0342

Harmonies

Analogous

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



7.2125, 6.0520, 79.4884



13.4268, 6.0520, 54.4933



18.9215, 6.0520, 21.2379

Triad

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



13.4268, 6.0520, 54.4933



9.7142, 6.0520, 0.0000



0.6293, 6.0520, 11.2681

Complementary

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



13.4268, 6.0520, 54.4933



31.6856, 46.6402, 7.9044

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.



0.7738, 6.0520, 0.9418



13.4268, 6.0520, 54.4933



4.5037, 6.0520, 0.0000

Square

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



13.4268, 6.0520, 54.4933



16.0867, 6.0520, 0.0000



1.7572, 6.0520, 0.0000



1.1881, 6.0520, 39.4830

Rectangle

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



13.4268, 6.0520, 54.4933



20.3248, 6.0520, 7.2376



1.7572, 6.0520, 0.0000



0.6018, 6.0520, 5.9815

Sweetspot

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



13.4273, 6.0521, 54.4935



61.6070, 55.7873, 102.1287



20.6375, 24.4108, 57.6571



12.4534, 10.9971, 21.7162



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.



13.4273, 6.0521, 54.4935



21.3854, 8.9395, 95.2061



25.5882, 12.3213, 55.0626



10.3659, 10.4469, 13.3876



8.0145, 3.3659, 34.9716



0.4551, 0.1984, 1.6594

Inverse Universe

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



28.6509, 14.5271, 26.8798



48.9464, 24.3426, 42.5115



22.0644, 41.6803, 7.4542



10.9354, 10.7576, 12.6432



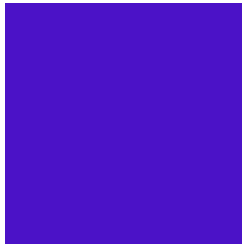
18.0585, 8.9729, 16.0496



0.8868, 0.4376, 0.9269

Previews

White Background



This preview shows how the XYZ color 13.4268, 6.0520, 54.4933 looks on a white background.

Color Contrast Check

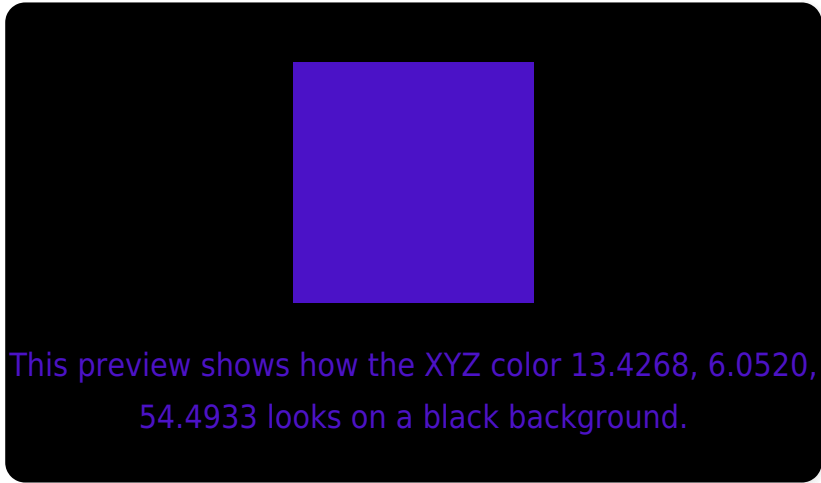
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

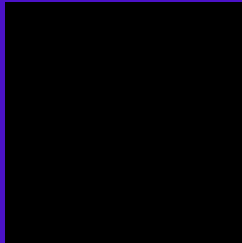
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4268, 6.0520, 54.4933

Background



This preview shows how black text looks on a background with the XYZ color 13.4268, 6.0520, 54.4933.



This preview shows how white text looks on a background with the XYZ color 13.4268, 6.0520,

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

13.4268, 6.0520, 54.4933

Protanopia

7.0250, 6.1174, 26.7971

Deuteranopia

5.8337, 6.1456, 18.9679



Tritanopia

4.3246, 6.0889, 9.3348

Trichromacy



Original Color

13.4268, 6.0520, 54.4933

Protanomaly

8.2035, 5.1586, 35.2137

Deuteranomaly

7.1499, 4.9491, 29.0122

Tritanomaly

5.6321, 4.5677, 20.3235

Monochromacy



Original Color

13.4268, 6.0520, 54.4933

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

5.5846, 3.7954, 14.6256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4268, 6.0520, 54.4933 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(75, 18, 199)` looks like.

```
.text, #text, p{  
    color:rgb(75, 18, 199)  
}
```

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(75, 18, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 18, 199) }
```

Border

The CSS property to change the border of an element to XYZ 13.4268, 6.0520, 54.4933 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(75, 18, 199) }
```


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

```
.border{ border-color:rgb(75, 18, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 18, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 18, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 18, 199);  
box-shadow:4px 4px 4px 4px rgb(75, 18,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4268, 6.0520, 54.4933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 18, 199) }
```

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

```
.background{ background-color: rgb(75, 18,  
199) }
```

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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