

Converting Colors

XYZ(13.7723, 21.8654, 5.3282)

Have a look what the booklet for
XYZ(13.7723, 21.8654, 5.3282)
contains.

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Color

**XYZ(13.8028, 21.8803,
5.3296)**

Conversions

Conversions Part 1

Format	Color
Hex	529026
RGB	82, 144, 38
RGB Percent	32%, 56%, 15%
CMY	0.6784, 0.4353, 0.8510
CMYK	0.43, 0.00, 0.74, 0.44
HSL	95°, 58%, 36%
HSV	95°, 74%, 56%
XYZ	13.8028, 21.8803, 5.3296
YIQ	113.3780, -2.9260, -46.1100

Conversions

Conversions Part 2

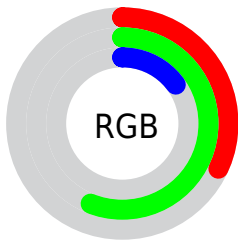
Format	Color
R_{YB}	38, 144, 100
Decimal	5410854
CIE _{Lab}	53.90, -38.48, 47.36
CIE _{LCh}	54, 61.019, 129.095
Yxy	21.8803, 0.3365, 0.5335
Android (android.graphics.Color)	4283600934 (0xFF529026)
YUV	113.3780, -37.1614, -27.5185
Hunter-Lab	46.7764, -29.1868, 25.9881

Details

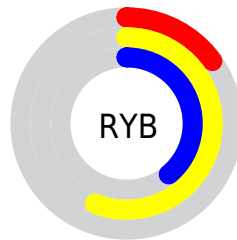
The XYZ color **13.8028, 21.8803, 5.3296** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.9839, 6.1100, 26.9872**, and the grayscale version is **15.9168, 16.7458, 18.2361**.

A 20% lighter version of the original color is **32.1929, 46.3606, 16.9246**, and **4.3153, 8.0354, 1.3235** is the 20% darker color. If you saturate the color by 10%, you get **12.9261, 21.4508, 4.3019**, and if you desaturate by 10%, it is **14.8605, 22.3940, 6.8360**.

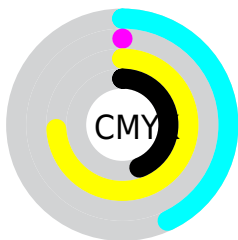
Distribution



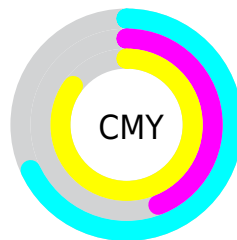
- Red (32%)
- Green (56%)
- Blue (15%)



- Red (15%)
- Yellow (56%)
- Blue (39%)



- Cyan (43%)
- Magenta (0%)
- Yellow (74%)
- Black (44%)





- Cyan (68%)
- Magenta (44%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8028, 21.8803, 5.3296 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 13.8028, 21.8803, 5.3296 by changing the saturation by 10% instead.


 13.8028, 21.8803,
5.3296


 13.8028, 21.8803,
5.3296


209.5358,
261.9205, 162.0220


 8.0644, 13.7690,
2.3798


 32.3279, 46.5481,
16.9757


 4.1883, 7.9602,
0.7754


 45.8454, 63.8733,
26.5090

 1.8092, 4.0695,
0.0000

 62.6865, 85.0387,
39.0740

 0.5232, 1.7125,
0.0000

 83.2168, 110.4285,
55.0891

 0.0000, 0.4317,
0.0000

 107.8015,
140.4272, 74.9730

 0.0000, 0.0000,
0.0000

 136.8060,

175.4192, 99.1440

170.5957,
215.7888, 128.0208

■ 13.8028, 21.8803,
5.3296

■ 13.8028, 21.8803,
5.3296

■ 12.9261, 21.4508,
4.3019

■ 14.8605, 22.3940,
6.8360

■ 12.2143, 21.0967,
3.6926

■ 16.1098, 22.9944,
8.8688

■ 11.8233, 20.9009,
3.4111

■ 17.5626, 23.6872,
11.4714

■ 19.2287, 24.4767,
14.6824

■ 21.1176, 25.3671,
18.5368

■ 23.2379, 26.3622,
23.0674

■ 25.5981, 27.4654,
28.3042

■ 28.2057, 28.6802,
34.2758

■ 31.0682, 30.0098,
41.0091

Harmonies

Analogous

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



18.8624, 21.8803, 2.9790



13.8028, 21.8803, 5.3296



11.0852, 21.8803, 13.1042

Triad

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



13.8028, 21.8803, 5.3296



16.6060, 21.8803, 76.1390



35.9345, 21.8803, 18.5491

Complementary

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



13.8028, 21.8803, 5.3296



10.9839, 6.1100, 26.9872

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.



34.9743, 21.8803, 39.2090



13.8028, 21.8803, 5.3296



22.8586, 21.8803, 80.3969

Square

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



13.8028, 21.8803, 5.3296



12.4508, 21.8803, 54.7055



29.8256, 21.8803, 64.3897



32.2250, 21.8803, 7.5146

Rectangle

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



13.8028, 21.8803, 5.3296



10.5484, 21.8803, 23.2572



29.8256, 21.8803, 64.3897



36.1615, 21.8803, 24.3998

Sweetspot

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



13.8033, 21.8812, 5.3301



37.6565, 44.9333, 33.5561



16.3936, 15.1526, 3.8948



8.4420, 10.2132, 7.2908



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.8033, 21.8812, 5.3301



21.9872, 37.4305, 6.8422



11.2830, 20.5635, 6.0467



5.5417, 6.1319, 5.7809



10.3211, 18.2133, 2.9715



0.1228, 0.1866, 0.0295

Inverse Universe

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



10.9839, 6.1100, 26.9872



16.6650, 8.0010, 47.2040



16.5805, 9.0701, 23.8612



5.4128, 5.4010, 6.7860



7.6128, 3.4181, 23.2356



0.0979, 0.0456, 0.2233

Previews

White Background



This preview shows how the XYZ color 13.8028, 21.8803, 5.3296 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 13.8028, 21.8803, 5.3296 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 13.8028, 21.8803, 5.3296

Background



This preview shows how black text looks on a background with the XYZ color 13.8028, 21.8803, 5.3296.



This preview shows how white text looks on a background with the XYZ color 13.8028, 21.8803,

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

13.8028, 21.8803, 5.3296

Protanopia

19.5095, 21.4831, 4.6318

Deuteranopia

21.9698, 21.5979, 5.7002



Tritanopia

18.6729, 21.6912, 29.9907

Trichromacy



Original Color

13.8028, 21.8803, 5.3296

Protanomaly

16.7136, 21.2365, 4.8083

Deuteranomaly

17.9530, 21.0526, 5.5002

Tritanomaly

16.1036, 21.4929, 16.9355

Monochromacy



Original Color

13.8028, 21.8803, 5.3296

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.3669, 17.9120, 11.5042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8028, 21.8803, 5.3296 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(82, 144, 38)` looks like.

```
.text, #text, p{  
    color:rgb(82, 144, 38)  
}
```

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(82, 144, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 144, 38) }
```

Border

The CSS property to change the border of an element to XYZ 13.8028, 21.8803, 5.3296 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(82, 144, 38) }
```


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

```
.border{ border-color:rgb(82, 144, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 144, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 144, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 144, 38);  
box-shadow:4px 4px 4px 4px rgb(82, 144,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8028, 21.8803, 5.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 144, 38) }
```

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

```
.background{ background-color: rgb(82, 144,  
38) }
```

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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