

Converting Colors

XYZ(21.3409, 25.5114, 41.8296)

Have a look what the booklet for
XYZ(21.3409, 25.5114, 41.8296)
contains.

XYZ(21.2809, 25.3913, 41.8096)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.2809, 25.3913,
41.8096)**

Conversions

Conversions Part 1

Format	Color
Hex	5592AA
RGB	85, 146, 170
RGB Percent	33%, 57%, 67%
CMY	0.6666, 0.4274, 0.3333
CMYK	0.50, 0.14, 0.00, 0.33
HSL	197°, 33%, 50%
HSV	197°, 50%, 67%
XYZ	21.2809, 25.3913, 41.8096
YIQ	130.4970, -44.0600, -5.4680

Conversions

Conversions Part 2

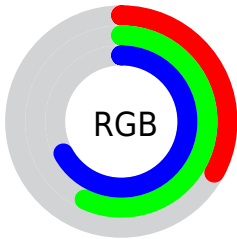
Format	Color
R_{YB}	85, 121, 170
Decimal	5608106
CIE _{Lab}	57.45, -13.00, -18.72
CIE _{LCh}	57, 22.794, 235.221
Yxy	25.3913, 0.2405, 0.2870
Android (android.graphics.Color)	4283798186 (0xFF5592AA)
YUV	130.4970, 19.4750, -39.9009
Hunter-Lab	50.3898, -12.7970, -13.9215

Details

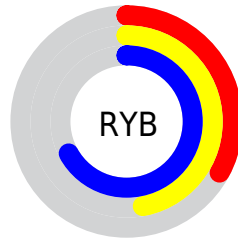
The XYZ color **21.2809, 25.3913, 41.8096** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.6866, 20.1400, 11.2342**, and the grayscale version is **21.3392, 22.4505, 24.4486**.

A 20% lighter version of the original color is **45.0601, 52.3202, 78.9581**, and **7.7882, 9.7120, 18.6037** is the 20% darker color. If you saturate the color by 10%, you get **19.1947, 23.2409, 41.5049**, and if you desaturate by 10%, it is **23.7706, 27.7969, 42.1432**.

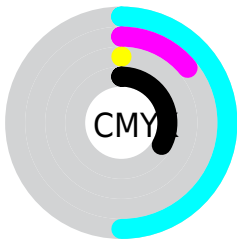
Distribution



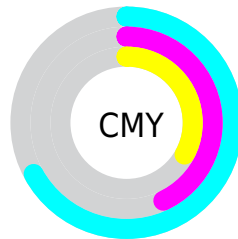
- Red (33%)
- Green (57%)
- Blue (67%)



- Red (33%)
- Yellow (47%)
- Blue (67%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (33%)



- Cyan (67%)
- Magenta (43%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2809, 25.3913, 41.8096 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 21.2809, 25.3913, 41.8096 by changing the saturation by 10% instead.

■ 21.2809, 25.3913,
41.8096

■ 21.2809, 25.3913,
41.8096

251.4711,
279.7811, 369.4694

■ 13.4431, 16.3688,
28.6278

■ 45.0423, 52.2913,
79.1784

■ 7.8135, 9.7855,
18.5563

■ 61.6967, 70.9377,
104.2024

■ 4.0266, 5.2570,
11.1765

■ 82.0206, 93.5607,
134.0109

■ 1.7172, 2.3988,
6.0700

■ 106.3794,
120.5449, 169.0224

■ 0.4670, 0.8253,
2.8182

135.1386,
152.2747, 209.6554

■ 0.0000, 0.0000,
1.0026

168.6633,

■ 0.0000, 0.0000,

189.1344, 256.3286

0.0000

207.3190,
231.5084, 309.4604

■ 21.2809, 25.3913,
41.8096

■ 21.2809, 25.3913,
41.8096

■ 19.1947, 23.2409,
41.5049

■ 23.7706, 27.7969,
42.1432

■ 17.4822, 21.3281,
41.2260

■ 26.6860, 30.4682,
42.5051

■ 16.1130, 19.6373,
40.9718

■ 30.0505, 33.4182,
42.8972

■ 15.0509, 18.1493,
40.7406

■ 33.8851, 36.6583,
43.3205

■ 14.2157, 16.8220,
40.5284

■ 38.2095, 40.1991,
43.7760

■ 14.2155, 16.8217,
40.5284

■ 43.0419, 44.0506,
44.2647

■ 48.4000, 48.2224,
44.7876

■ 54.3002, 52.7234,
45.3454

■ 60.7584, 57.5624,
45.9390

Harmonies

Analogous

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



19.7187, 25.3913, 34.5079



21.2809, 25.3913, 41.8096



23.7020, 25.3913, 45.3502

Triad

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



21.2809, 25.3913, 41.8096



29.7094, 25.3913, 28.9093



21.9801, 25.3913, 16.2217

Complementary

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



21.2809, 25.3913, 41.8096



23.6866, 20.1400, 11.2342

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.



24.5706, 25.3913, 15.2795



21.2809, 25.3913, 41.8096



29.1629, 25.3913, 21.7614

Square

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



21.2809, 25.3913, 41.8096



28.6730, 25.3913, 37.0659



27.2306, 25.3913, 17.1091



20.1007, 25.3913, 19.9761

Rectangle

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



21.2809, 25.3913, 41.8096



25.5281, 25.3913, 44.6972



27.2306, 25.3913, 17.1091



22.7909, 25.3913, 15.5995

Sweetspot

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



21.2817, 25.3923, 41.8102



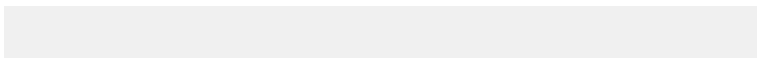
57.7023, 63.3445, 78.1873



20.8108, 31.7570, 19.1283



12.5553, 13.8608, 17.4013



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.2817, 25.3923, 41.8102



34.4555, 41.7687, 75.2480



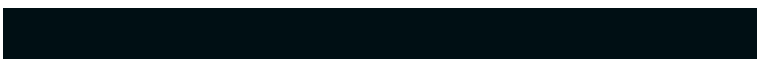
16.0375, 14.9038, 40.0621



7.5659, 8.1687, 9.5963



10.5059, 12.4720, 29.8291



0.2956, 0.3835, 0.7391

Inverse Universe

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



25.0151, 17.1192, 29.1809



42.3088, 26.0794, 48.2979



29.1509, 31.0686, 13.0556



7.7502, 7.6299, 9.0019



14.8035, 7.3301, 14.3087



0.3804, 0.1864, 0.4545

Previews

White Background



This preview shows how the XYZ color 21.2809, 25.3913, 41.8096 looks on a white background.

Color Contrast Check

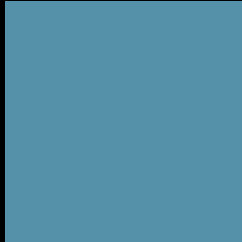
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2809, 25.3913, 41.8096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

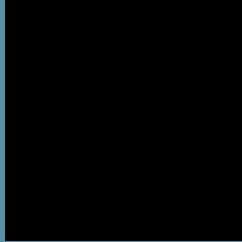
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2809, 25.3913, 41.8096

Background



This preview shows how black text looks on a background with the XYZ color 21.2809, 25.3913, 41.8096.



This preview shows how white text looks on a background with the XYZ color 21.2809, 25.3913,

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

21.2809, 25.3913, 41.8096

Protanopia

24.9307, 25.1582, 38.1924

Deuteranopia

25.7832, 25.2930, 42.5528



Tritanopia

20.4147, 25.5117, 37.1060

Trichromacy



Original Color

21.2809, 25.3913, 41.8096

Protanomaly

23.3312, 25.1542, 39.7019

Deuteranomaly

23.7858, 25.1185, 42.1228

Tritanomaly

20.7018, 25.3868, 38.9310

Monochromacy



Original Color

21.2809, 25.3913, 41.8096

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.8544, 23.2301, 30.1728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2809, 25.3913, 41.8096 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(85, 146, 170)` looks like.

```
.text, #text, p{  
    color:rgb(85, 146, 170)  
}
```

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(85, 146, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 146, 170) }
```

Border

The CSS property to change the border of an element to XYZ 21.2809, 25.3913, 41.8096 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(85, 146, 170) }
```


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

```
.border{ border-color:rgb(85, 146, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 146, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 146, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 146, 170);  
box-shadow:4px 4px 4px 4px rgb(85, 146,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2809, 25.3913, 41.8096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 146, 170) }
```

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

```
.background{ background-color: rgb(85, 146,  
170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor