

Converting Colors

XYZ(13.1052, 8.4834, 53.7644)

Have a look what the booklet for
XYZ(13.1052, 8.4834, 53.7644)
contains.

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Color

**XYZ(13.1084, 8.4855,
53.7703)**

Conversions

Conversions Part 1

Format	Color
Hex	2D42C5
RGB	45, 66, 197
RGB Percent	18%, 26%, 77%
CMY	0.8235, 0.7412, 0.2274
CMYK	0.77, 0.66, 0.00, 0.23
HSL	232°, 63%, 47%
HSV	232°, 77%, 77%
XYZ	13.1084, 8.4855, 53.7703
YIQ	74.6550, -54.5670, 36.2890

Conversions

Conversions Part 2

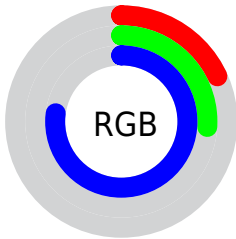
Format	Color
R_{YB}	45, 63, 197
Decimal	2966213
CIE _{Lab}	34.97, 38.61, -70.20
CIE _{LCh}	35, 80.117, 298.813
Yxy	8.4855, 0.1739, 0.1126
Android (android.graphics.Color)	4281156293 (0xFF2D42C5)
YUV	74.6550, 60.3161, -26.0074
Hunter-Lab	29.1299, 29.3474, -89.0514

Details

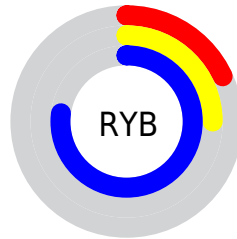
The XYZ color **13.1084, 8.4855, 53.7703** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **39.0277, 43.1155, 8.7489**, and the grayscale version is **6.5289, 6.8689, 7.4802**.

A 20% lighter version of the original color is **31.1375, 22.8995, 97.3867**, and **5.1889, 2.5658, 25.8129** is the 20% darker color. If you saturate the color by 10%, you get **11.5858, 6.4401, 53.4560**, and if you desaturate by 10%, it is **15.3306, 11.3285, 54.2022**.

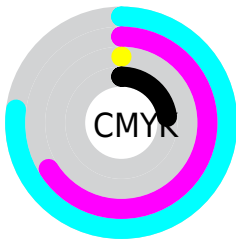
Distribution



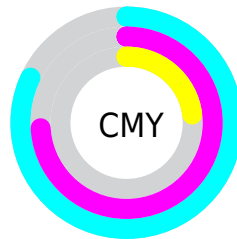
- Red (18%)
- Green (26%)
- Blue (77%)



- Red (18%)
- Yellow (25%)
- Blue (77%)



- Cyan (77%)
- Magenta (66%)
- Yellow (0%)
- Black (23%)



- Cyan (82%)
- Magenta (74%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1084, 8.4855, 53.7703 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 13.1084, 8.4855, 53.7703 by changing the saturation by 10% instead.

■ 13.1084, 8.4855,
53.7703

■ 13.1084, 8.4855,
53.7703

205.2348,
179.4920, 418.3833

■ 7.5807, 4.4071,
38.0261

■ 31.0981, 22.9049,
97.1899

■ 3.8774, 1.9038,
25.7010

■ 44.2908, 34.0147,
125.7024

■ 1.6330, 0.5507,
16.3763

■ 60.7692, 48.2371,
159.3081

■ 0.4138, 0.0000,
9.6336

■ 80.8987, 65.9565,
198.4255

■ 0.0000, 0.0000,
5.0543

■ 105.0447, 87.5573,
243.4732

■ 0.0000, 0.0000,
2.2199

■ 133.5725,

■ 0.0000, 0.0000,

113.4238, 294.8697

0.6858

166.8474,
143.9406, 353.0336

■ 0.0000, 0.0000,
0.0000

■ 13.1084, 8.4855,
53.7703

■ 13.1084, 8.4855,
53.7703

■ 11.5858, 6.4401,
53.4560

■ 15.3306, 11.3285,
54.2022

■ 10.6659, 5.1026,
53.2463

■ 18.3243, 15.0414,
54.7611

■ 10.4747, 4.8245,
53.2027

■ 22.1540, 19.6891,
55.4563

■ 26.8767, 25.3297,
56.2961

■ 32.5446, 32.0168,
57.2882

■ 39.2056, 39.8000,
58.4394

■ 46.9045, 48.7257,
59.7564

■ 55.6832, 58.8376,
61.2456

■ 65.5814, 70.1773,
62.9126

Harmonies

Analogous

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



7.8838, 8.4855, 64.5201



13.1084, 8.4855, 53.7703



18.2121, 8.4855, 29.4719

Triad

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



13.1084, 8.4855, 53.7703



13.5508, 8.4855, 0.0000



2.0694, 8.4855, 8.7257

Complementary

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



13.1084, 8.4855, 53.7703



39.0277, 43.1155, 8.7489

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.



2.6272, 8.4855, 1.3596



13.1084, 8.4855, 53.7703



8.2493, 8.4855, 0.0000

Square

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



13.1084, 8.4855, 53.7703



18.5285, 8.4855, 1.6282



4.5166, 8.4855, 0.0000



2.5416, 8.4855, 27.5510

Rectangle

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



13.1084, 8.4855, 53.7703



20.1854, 8.4855, 15.0595



4.5166, 8.4855, 0.0000



2.1370, 8.4855, 5.1530

Sweetspot

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



13.1089, 8.4857, 53.7706



62.6058, 62.4022, 103.3529



28.7087, 43.5547, 47.0415



12.5069, 12.3099, 21.9668



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.



13.1089, 8.4857, 53.7706



19.4630, 9.6798, 95.4503



16.0763, 8.5171, 53.6202



10.1729, 10.5198, 13.4118



6.9261, 3.2460, 35.0059



0.3674, 0.2326, 1.6707

Inverse Universe

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



24.9482, 14.1413, 6.5687



42.0426, 21.9232, 5.1014



31.9076, 46.0339, 9.6875



10.6925, 10.6604, 11.3641



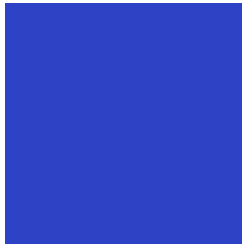
15.2953, 7.8677, 1.4989



0.7441, 0.3805, 0.1758

Previews

White Background



This preview shows how the XYZ color 13.1084, 8.4855, 53.7703 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 13.1084, 8.4855, 53.7703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

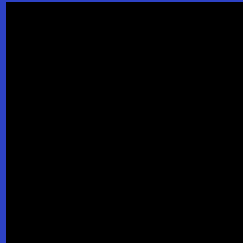
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1084, 8.4855, 53.7703

Background



This preview shows how black text looks on a background with the XYZ color 13.1084, 8.4855, 53.7703.

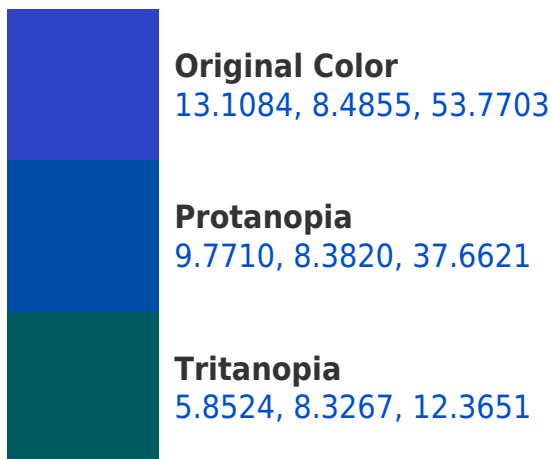


This preview shows how white text looks on a background with the XYZ color 13.1084, 8.4855,

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



Trichromacy



Original Color

13.1084, 8.4855, 53.7703

Protanomaly

10.6983, 8.2221, 43.1426

Tritanomaly

7.4646, 7.8382, 23.3098

Monochromacy



Original Color

13.1084, 8.4855, 53.7703

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

7.7615, 7.0566, 18.4058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1084, 8.4855, 53.7703 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(45, 66, 197)` looks like.

```
.text, #text, p{  
    color:rgb(45, 66, 197)  
}
```

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(45, 66, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 66, 197) }
```

Border

The CSS property to change the border of an element to XYZ 13.1084, 8.4855, 53.7703 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(45, 66, 197) }
```

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

```
.border{ border-color:rgb(45, 66, 197) }
```

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

Here you see how a box with a 4 pixel rgb(45, 66, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 66, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 66, 197);  
box-shadow:4px 4px 4px 4px rgb(45, 66,  
197) }
```


Background

The CSS property to change the background color of an element to XYZ 13.1084, 8.4855, 53.7703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 66, 197) }
```

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

```
.background{ background-color: rgb(45, 66,  
197) }
```

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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