

Converting Colors

XYZ(13.0781, 8.1017, 55.7488)

Have a look what the booklet for
XYZ(13.0781, 8.1017, 55.7488)
contains.

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Color

**XYZ(13.0230, 8.0665,
55.5142)**

Conversions

Conversions Part 1

Format	Color
Hex	283EC8
RGB	40, 62, 200
RGB Percent	16%, 24%, 78%
CMY	0.8431, 0.7569, 0.2157
CMYK	0.80, 0.69, 0.00, 0.22
HSL	232°, 67%, 47%
HSV	232°, 80%, 78%
XYZ	13.0230, 8.0665, 55.5142
YIQ	71.1540, -57.4100, 38.2540

Conversions

Conversions Part 2

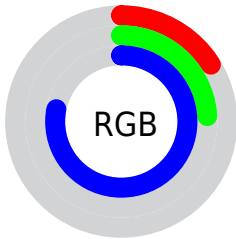
Format	Color
R_{YB}	40, 59, 200
Decimal	2637512
CIE _{Lab}	34.12, 41.73, -73.36
CIE _{LCh}	34, 84.398, 299.632
Yxy	8.0665, 0.1700, 0.1053
Android (android.graphics.Color)	4280827592 (0xFF283EC8)
YUV	71.1540, 63.5211, -27.3221
Hunter-Lab	28.4016, 32.1450, -96.0081

Details

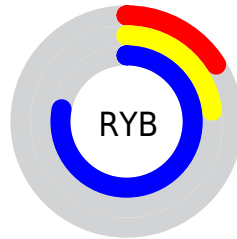
The XYZ color **13.0230, 8.0665, 55.5142** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **40.1261, 44.2793, 8.4405**, and the grayscale version is **5.9189, 6.2271, 6.7813**.

A 20% lighter version of the original color is **30.4360, 21.8826, 97.2273**, and **5.3437, 2.5101, 26.9909** is the 20% darker color. If you saturate the color by 10%, you get **11.6429, 6.1765, 55.2224**, and if you desaturate by 10%, it is **15.1037, 10.7594, 55.9246**.

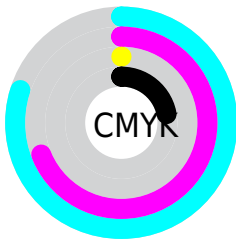
Distribution



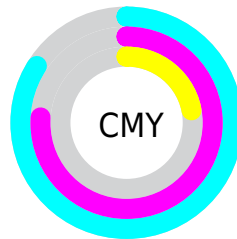
- Red (16%)
- Green (24%)
- Blue (78%)



- Red (16%)
- Yellow (23%)
- Blue (78%)



- Cyan (80%)
- Magenta (69%)
- Yellow (0%)
- Black (22%)



- Cyan (84%)
- Magenta (76%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0230, 8.0665, 55.5142 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 13.0230, 8.0665, 55.5142 by changing the saturation by 10% instead.

■ 13.0230, 8.0665,
55.5142

■ 13.0230, 8.0665,
55.5142

204.6996,
176.2527, 425.1949

■ 7.5215, 4.1375,
39.4122

■ 30.9461, 22.0887,
99.7726

■ 3.8395, 1.7508,
26.7702

■ 44.0983, 32.9507,
128.7661

■ 1.6118, 0.4562,
17.1698

■ 60.5316, 46.8926,
162.8938

■ 0.4001, 0.0000,
10.1924

■ 80.6111, 64.2986,
202.5743

■ 0.0000, 0.0000,
5.4194

■ 104.7023, 85.5532,
248.2261

■ 0.0000, 0.0000,
2.4324

■ 133.1706,

■ 0.0000, 0.0000,

111.0409, 300.2678

0.8040

166.3812,
141.1459, 359.1179

■ 0.0000, 0.0000,
0.0000

■ 13.0230, 8.0665,
55.5142

■ 13.0230, 8.0665,
55.5142

■ 11.6429, 6.1765,
55.2224

■ 15.1037, 10.7594,
55.9246

■ 10.8289, 4.9770,
55.0338

■ 17.9636, 14.3338,
56.4638

■ 10.8285, 4.9764,
55.0337

■ 21.6719, 18.8593,
57.1418

■ 26.2899, 24.3982,
57.9675

■ 31.8731, 31.0072,
58.9489

■ 38.4723, 38.7391,
60.0935

■ 46.1349, 47.6431,
61.4083

■ 54.9053, 57.7653,
62.8998

■ 64.8254, 69.1494,
64.5744

Harmonies

Analogous

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



7.6094, 8.0665, 67.8301



13.0230, 8.0665, 55.5142



18.3264, 8.0665, 29.2739

Triad

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



13.0230, 8.0665, 55.5142



13.1659, 8.0665, 0.0000



1.7347, 8.0665, 8.6187

Complementary

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



13.0230, 8.0665, 55.5142



40.1261, 44.2793, 8.4405

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.



2.2338, 8.0665, 1.1396



13.0230, 8.0665, 55.5142



7.7249, 8.0665, 0.0000

Square

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



13.0230, 8.0665, 55.5142



18.4298, 8.0665, 1.2146



4.0272, 8.0665, 0.0000



2.2085, 8.0665, 28.6394

Rectangle

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



13.0230, 8.0665, 55.5142



20.3375, 8.0665, 14.2762



4.0272, 8.0665, 0.0000



1.7897, 8.0665, 4.9180

Sweetspot

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



13.0235, 8.0666, 55.5144



61.4167, 61.0027, 103.1454



29.3667, 44.8948, 48.1933



12.2782, 12.0395, 21.9267



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.



13.0235, 8.0666, 55.5144



19.0724, 9.0753, 95.3542



16.0094, 8.1759, 55.3782



10.1723, 10.5186, 13.4117



6.9239, 3.2418, 35.0052



0.3671, 0.2320, 1.6706

Inverse Universe

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



25.4482, 14.1457, 5.9464



41.8023, 21.6621, 4.3452



32.5400, 47.3918, 9.4411



10.6922, 10.6603, 11.3626



15.2942, 7.8672, 1.4933



0.7440, 0.3804, 0.1751

Previews

White Background



This preview shows how the XYZ color 13.0230, 8.0665, 55.5142 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 13.0230, 8.0665, 55.5142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

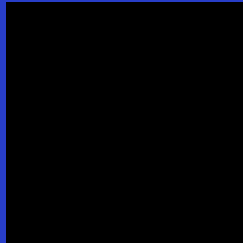
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0230, 8.0665, 55.5142

Background



This preview shows how black text looks on a background with the XYZ color 13.0230, 8.0665, 55.5142.



This preview shows how white text looks on a background with the XYZ color 13.0230, 8.0665,

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

13.0230, 8.0665, 55.5142

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

7.6775, 7.8987, 25.5460



Tritanopia

5.5928, 7.9529, 11.8300

Trichromacy



Original Color

13.0230, 8.0665, 55.5142

Protanomaly

10.3508, 7.8709, 42.0480

Deuteranomaly

9.1461, 7.7069, 34.7237

Tritanomaly

7.2266, 7.3870, 23.2352

Monochromacy



Original Color

13.0230, 8.0665, 55.5142

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

7.2006, 6.4029, 17.9959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0230, 8.0665, 55.5142 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(40, 62, 200)` looks like.

```
.text, #text, p{  
    color:rgb(40, 62, 200)  
}
```

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(40, 62, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 62, 200) }
```

Border

The CSS property to change the border of an element to XYZ 13.0230, 8.0665, 55.5142 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(40, 62, 200) }
```


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

```
.border{ border-color:rgb(40, 62, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 62, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 62, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 62, 200);  
box-shadow:4px 4px 4px 4px rgb(40, 62,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0230, 8.0665, 55.5142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 62, 200) }
```

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

```
.background{ background-color: rgb(40, 62,  
200) }
```

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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