

Converting Colors

XYZ(13.0830, 20.8726, 3.7547)

Have a look what the booklet for
XYZ(13.0830, 20.8726, 3.7547)
contains.

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Color

**XYZ(13.0838, 20.8753,
3.7552)**

Conversions

Conversions Part 1

Format	Color
Hex	528D0E
RGB	82, 141, 14
RGB Percent	32%, 55%, 5%
CMY	0.6784, 0.4470, 0.9451
CMYK	0.42, 0.00, 0.90, 0.45
HSL	88°, 82%, 30%
HSV	88°, 90%, 55%
XYZ	13.0838, 20.8753, 3.7552
YIQ	108.8810, 5.6030, -52.0050

Conversions

Conversions Part 2

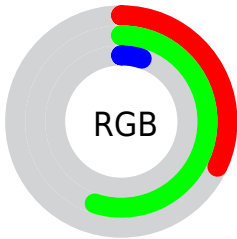
Format	Color
RYB	14, 141, 73
Decimal	5410062
CIELab	52.81, -38.44, 53.54
CIELCh	53, 65.911, 125.676
Yxy	20.8753, 0.3469, 0.5535
Android (android.graphics.Color)	4283600142 (0xFF528D0E)
YUV	108.8810, -46.7763, -23.5746
Hunter-Lab	45.6895, -28.8407, 27.1096

Details

The XYZ color **13.0838, 20.8753, 3.7552** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.7136, 3.6544, 25.4993**, and the grayscale version is **14.6301, 15.3920, 16.7619**.

A 20% lighter version of the original color is **31.0677, 44.8430, 13.4967**, and **4.0571, 7.5190, 1.2375** is the 20% darker color. If you saturate the color by 10%, you get **12.4655, 20.5664, 3.3127**, and if you desaturate by 10%, it is **13.8131, 21.2367, 4.4765**.

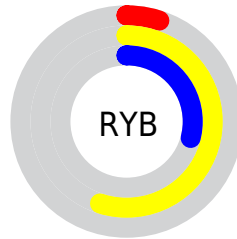
Distribution



 Red (32%)

 Green (55%)

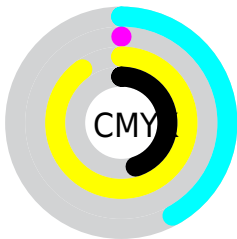
 Blue (5%)




 Red (5%)

 Yellow (55%)

 Blue (29%)

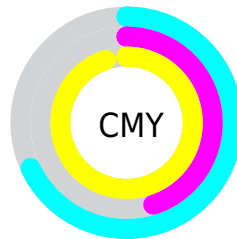


 Cyan (42%)

 Magenta (0%)

 Yellow (90%)

 Black (45%)



 Cyan (68%)

 Magenta (45%)

 Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0838, 20.8753, 3.7552 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 13.0838, 20.8753, 3.7552 by changing the saturation by 10% instead.

■ 13.0838, 20.8753,
3.7552

■ 13.0838, 20.8753,
3.7552

205.0808,
256.6150, 145.4643

■ 7.5637, 13.0329,
1.4920

■ 31.0543, 44.8799,
13.4411

■ 3.8665, 7.4512,
0.2120

■ 44.2354, 61.8109,
21.7010

■ 1.6269, 3.7458,
0.0000

■ 60.7008, 82.5402,
32.7968

■ 0.4098, 1.5324,
0.0000

■ 80.8159, 107.4522,
47.1471


■ 0.0000, 0.3114,
0.0000


■ 104.9462,
136.9312, 65.1705


■ 0.0000, 0.0000,
0.0000


■ 133.4568,


171.3618, 87.2854


 166.7132,
211.1283, 113.9105


 13.0838, 20.8753,
3.7552


 13.0838, 20.8753,
3.7552


 12.4655, 20.5664,
3.3127

 13.8131, 21.2367,
4.4765

 14.6769, 21.6577,
5.6169

 15.6870, 22.1438,
7.2285

 16.8530, 22.6990,
9.3554

 18.1837, 23.3271,
12.0368

■ 19.6871, 24.0312,
15.3077

■ 21.3704, 24.8146,
19.2008

■ 23.2406, 25.6801,
23.7459

■ 25.3042, 26.6303,
28.9711

Harmonies

Analogous

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



18.5618, 20.8753, 2.0326



13.0838, 20.8753, 3.7552



10.0642, 20.8753, 10.4242

Triad

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



13.0838, 20.8753, 3.7552



14.8765, 20.8753, 77.6718



36.1289, 20.8753, 19.1854

Complementary

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



13.0838, 20.8753, 3.7552



7.7136, 3.6544, 25.4993

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.



34.4998, 20.8753, 42.1762



13.0838, 20.8753, 3.7552



21.1784, 20.8753, 85.1051

Square

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



13.0838, 20.8753, 3.7552



10.9193, 20.8753, 52.7529



28.5983, 20.8753, 69.4786



32.6426, 20.8753, 7.0219

Rectangle

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



13.0838, 20.8753, 3.7552



9.3585, 20.8753, 19.9912



28.5983, 20.8753, 69.4786



36.1694, 20.8753, 25.7074

Sweetspot

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



13.0843, 20.8762, 3.7557



35.9736, 43.3693, 29.0396



13.3275, 10.2211, 1.6862



7.8453, 9.5983, 6.0578



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.0843, 20.8762, 3.7557



22.1266, 36.7282, 5.9231



9.9005, 19.2349, 3.6067



5.6013, 6.1626, 5.7836



11.3841, 18.7613, 3.0213



0.1343, 0.1925, 0.0301

Inverse Universe

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



7.7136, 3.6544, 25.4993



12.3837, 5.3895, 45.5154



14.9011, 7.3597, 25.8357



5.3528, 5.3701, 6.7832



6.4204, 2.8034, 23.1798



0.0864, 0.0397, 0.2228

Previews

White Background



This preview shows how the XYZ color 13.0838, 20.8753, 3.7552 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 13.0838, 20.8753, 3.7552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

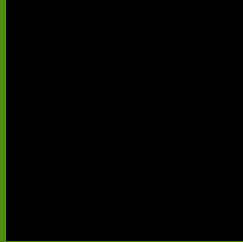
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0838, 20.8753, 3.7552

Background



This preview shows how black text looks on a background with the XYZ color 13.0838, 20.8753, 3.7552.



This preview shows how white text looks on a background with the XYZ color 13.0838, 20.8753,

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

13.0838, 20.8753, 3.7552

Protanopia

18.6491, 20.6856, 3.1821

Deuteranopia

20.9447, 20.5617, 4.1612



Tritanopia

18.0358, 20.7823, 28.6520

Trichromacy



Original Color

13.0838, 20.8753, 3.7552

Protanomaly

15.9113, 20.2454, 3.3276

Deuteranomaly

16.9708, 19.9948, 3.8846

Tritanomaly

15.1432, 20.4295, 13.9716

Monochromacy



Original Color

13.0838, 20.8753, 3.7552

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.2190, 16.8218, 9.0288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0838, 20.8753, 3.7552 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, 141, 14)` looks like.

```
.text, #text, p{  
    color:rgb(82, 141, 14)  
}
```

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, 141, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 141, 14) }
```

Border

The CSS property to change the border of an element to XYZ 13.0838, 20.8753, 3.7552 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, 141, 14) }
```


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

```
.border{ border-color:rgb(82, 141, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 141, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 141, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 141, 14);  
box-shadow:4px 4px 4px 4px rgb(82, 141,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0838, 20.8753, 3.7552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 141, 14) }
```

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

```
.background{ background-color: rgb(82, 141,  
14) }
```

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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