

Converting Colors

XYZ(13.0955, 20.4694, 8.0098)

Have a look what the booklet for
XYZ(13.0955, 20.4694, 8.0098)
contains.

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Color

**XYZ(13.1769, 20.6109,
7.9864)**

Conversions

Conversions Part 1

Format	Color
Hex	4B8C3F
RGB	75, 140, 63
RGB Percent	29%, 55%, 25%
CMY	0.7059, 0.4510, 0.7529
CMYK	0.46, 0.00, 0.55, 0.45
HSL	111°, 38%, 40%
HSV	111°, 55%, 55%
XYZ	13.1769, 20.6109, 7.9864
YIQ	111.7870, -14.0230, -37.7270

Conversions

Conversions Part 2

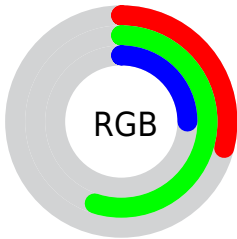
Format	Color
RYB	63, 140, 128
Decimal	4951103
CIELab	52.52, -36.57, 34.42
CIElCh	53, 50.221, 136.735
Yxy	20.6109, 0.3154, 0.4934
Android (android.graphics.Color)	4283141183 (0xFF4B8C3F)
YUV	111.7870, -24.0520, -32.2622
Hunter-Lab	45.3992, -27.6399, 21.3495

Details

The XYZ color **13.1769, 20.6109, 7.9864** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15.4143, 10.0384, 25.9372**, and the grayscale version is **15.4102, 16.2128, 17.6557**.

A 20% lighter version of the original color is **31.1745, 44.3650, 22.5430**, and **3.9011, 7.3051, 1.6199** is the 20% darker color. If you saturate the color by 10%, you get **11.9944, 20.0415, 6.1421**, and if you desaturate by 10%, it is **14.6317, 21.3104, 10.3637**.

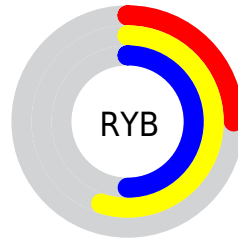
Distribution



Red (29%)

Green (55%)

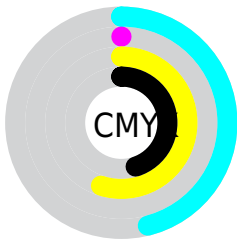
Blue (25%)



Red (25%)

Yellow (55%)

Blue (50%)

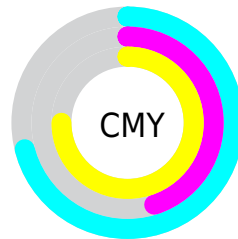


Cyan (46%)

Magenta (0%)

Yellow (55%)

Black (45%)



Cyan (71%)

Magenta (45%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1769, 20.6109, 7.9864 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 13.1769, 20.6109, 7.9864 by changing the saturation by 10% instead.

■ 13.1769, 20.6109,
7.9864

■ 13.1769, 20.6109,
7.9864

205.6631,
255.2034, 185.5559

■ 7.6283, 12.8399,
3.9986

■ 31.2198, 44.4391,
22.4775

■ 3.9078, 7.3184,
1.6246

■ 44.4449, 61.2650,
33.8179

■ 1.6501, 3.6620,
0.3083

■ 60.9595, 81.8780,
48.4462

■ 0.4247, 1.4863,
0.0000

■ 81.1290, 106.6625,
66.7810

■ 0.0000, 0.2791,
0.0000

■ 105.3188,
136.0029, 89.2409

■ 0.0000, 0.0000,
0.0000

■ 133.8941,

170.2836, 116.2443

167.2204,
209.8889, 148.2098

■ 13.1769, 20.6109,
7.9864

■ 13.1769, 20.6109,
7.9864

■ 11.9944, 20.0415,
6.1421

■ 14.6317, 21.3104,
10.3637

■ 11.0655, 19.5916,
4.7886

■ 16.3730, 22.1447,
13.3095

■ 10.3713, 19.2532,
3.8791

■ 18.4158, 23.1213,
16.8576

■ 9.8883, 19.0154,
3.3502

■ 20.7735, 24.2467,
21.0389

■ 9.7053, 18.9255,
3.1415

■ 23.4589, 25.5266,
25.8822

■ 26.4838, 26.9667,
31.4145

■ 29.8597, 28.5723,
37.6613

■ 33.5974, 30.3484,
44.6467

■ 37.7071, 32.2998,
52.3938

Harmonies

Analogous

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



16.8511, 20.6109, 4.6775



13.1769, 20.6109, 7.9864



11.3844, 20.6109, 16.4945

Triad

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



13.1769, 20.6109, 7.9864



17.3854, 20.6109, 63.4134



30.8030, 20.6109, 15.1683

Complementary

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



13.1769, 20.6109, 7.9864



15.4143, 10.0384, 25.9372

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.



31.0152, 20.6109, 29.6701



13.1769, 20.6109, 7.9864



22.6108, 20.6109, 62.5211

Square

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



13.1769, 20.6109, 7.9864



13.5081, 20.6109, 50.3996



27.8053, 20.6109, 48.3270



27.2683, 20.6109, 7.3866

Rectangle

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



13.1769, 20.6109, 7.9864



11.2473, 20.6109, 25.9684



27.8053, 20.6109, 48.3270



31.2845, 20.6109, 19.2498

Sweetspot

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



13.1774, 20.6118, 7.9869



36.0341, 42.4653, 36.0384



19.3242, 21.1572, 7.7682



8.1247, 9.6999, 7.9860



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.



13.1774, 20.6118, 7.9869



20.7146, 35.1242, 10.1818



13.2178, 20.5296, 12.6444



5.0398, 5.6432, 5.3760



8.6350, 16.8215, 2.7918



0.0653, 0.1158, 0.0189

Inverse Universe

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



15.4143, 10.0384, 25.9372



25.0323, 14.4621, 45.2151



15.6497, 10.3535, 17.1936



5.1586, 5.0902, 6.3165



10.8804, 5.1232, 22.4611



0.0818, 0.0390, 0.1497

Previews

White Background



This preview shows how the XYZ color 13.1769, 20.6109, 7.9864 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 13.1769, 20.6109, 7.9864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

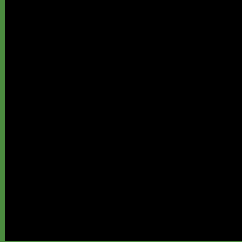
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.1769, 20.6109, 7.9864

Background



This preview shows how black text looks on a background with the XYZ color 13.1769, 20.6109, 7.9864.



This preview shows how white text looks on a background with the XYZ color 13.1769, 20.6109,

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

13.1769, 20.6109, 7.9864

Protanopia

18.5786, 20.3760, 6.9568

Deuteranopia

20.6199, 20.2987, 8.4615



Tritanopia

17.3502, 20.6292, 28.6586

Trichromacy



Original Color

13.1769, 20.6109, 7.9864

Protanomaly

15.8685, 19.9363, 7.2867

Deuteranomaly

16.9147, 19.8691, 8.2538

Tritanomaly

15.3909, 20.4515, 18.7591

Monochromacy



Original Color

13.1769, 20.6109, 7.9864

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.1255, 17.3799, 13.1998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1769, 20.6109, 7.9864 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(75, 140, 63)` looks like.

```
.text, #text, p{  
    color:rgb(75, 140, 63)  
}
```

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(75, 140, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 140, 63) }
```

Border

The CSS property to change the border of an element to XYZ 13.1769, 20.6109, 7.9864 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(75, 140, 63) }
```


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

```
.border{ border-color:rgb(75, 140, 63) }
```

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

Here you see how a box with a 4 pixel rgb(75, 140, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 140, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 140, 63);  
box-shadow:4px 4px 4px 4px rgb(75, 140,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1769, 20.6109, 7.9864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 140, 63) }
```

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

```
.background{ background-color: rgb(75, 140,  
63) }
```

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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