

Converting Colors

XYZ(13.1409, 13.0652, 29.8462)

Have a look what the booklet for
XYZ(13.1409, 13.0652, 29.8462)
contains.

XYZ(13.1409, 13.0652, 29.8462)	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(13.1409, 13.0652,
29.8462)**

Conversions

Conversions Part 1

Format	Color
Hex	4E6594
RGB	78, 101, 148
RGB Percent	31%, 40%, 58%
CMY	0.6941, 0.6039, 0.4196
CMYK	0.47, 0.32, 0.00, 0.42
HSL	220°, 31%, 44%
HSV	220°, 47%, 58%
XYZ	13.1409, 13.0652, 29.8462
YIQ	99.4810, -28.7950, 9.7410

Conversions

Conversions Part 2

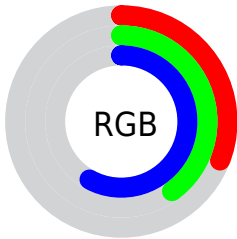
Format	Color
R _Y B	78, 95, 148
Decimal	5137812
CIE Lab	42.86, 4.83, -28.43
CIE LCh	43, 28.841, 279.641
Yxy	13.0652, 0.2344, 0.2331
Android (android.graphics.Color)	4283327892 (0xFF4E6594)
YUV	99.4810, 23.9199, -18.8388
Hunter-Lab	36.1458, 1.6389, -23.6547

Details

The XYZ color **13.1409, 13.0652, 29.8462** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.9221, 21.5139, 10.2583**, and the grayscale version is **11.9282, 12.5494, 13.6663**.

A 20% lighter version of the original color is **31.2490, 31.5460, 60.3191**, and **3.9005, 3.7896, 11.8352** is the 20% darker color. If you saturate the color by 10%, you get **11.1549, 10.6948, 29.4936**, and if you desaturate by 10%, it is **15.5175, 15.8106, 30.2511**.

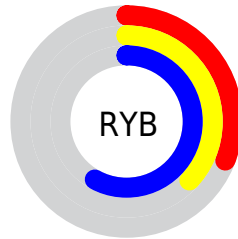
Distribution



Red (31%)

Green (40%)

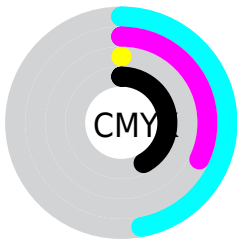
Blue (58%)



Red (31%)

Yellow (37%)

Blue (58%)

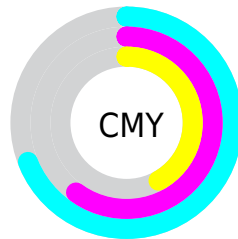


Cyan (47%)

Magenta (32%)

Yellow (0%)

Black (42%)



Cyan (69%)

Magenta (60%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1409, 13.0652, 29.8462 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 13.1409, 13.0652, 29.8462 by changing the saturation by 10% instead.

■ 13.1409, 13.0652,
29.8462

■ 13.1409, 13.0652,
29.8462

205.4381,
211.3351, 315.3719

■ 7.6033, 7.4735,
19.4708

■ 31.1558, 31.4209,
60.4770

■ 3.8918, 3.7599,
11.8307

■ 44.3639, 44.9536,
81.5695

■ 1.6411, 1.5402,
6.5074

■ 60.8595, 61.9021,
107.0714

■ 0.4190, 0.3168,
3.0822

■ 81.0080, 82.6508,
137.4014

■ 0.0000, 0.0000,
1.1368

■ 105.1748,
107.5840, 172.9778

■ 0.0000, 0.0000,
0.0000

133.7251,

137.0862, 214.2194

167.0245,
171.5418, 261.5445

■ 13.1409, 13.0652,
29.8462

■ 13.1409, 13.0652,
29.8462

■ 11.1549, 10.6948,
29.4936

■ 15.5175, 15.8106,
30.2511

■ 9.5353, 8.6801,
29.1901

■ 18.3040, 18.9462,
30.7095

■ 8.2573, 7.0021,
28.9336

■ 21.5200, 22.4879,
31.2236

■ 7.2923, 5.6391,
28.7213

■ 25.1836, 26.4502,
31.7953

■ 6.5931, 4.5592,
28.5497

■ 29.3115, 30.8470,
32.4264

■ 6.4281, 4.3037,
28.5091

■ 33.9199, 35.6915,
33.1186

■ 39.0239, 40.9962,
33.8735

■ 44.6381, 46.7732,
34.6927

■ 50.7763, 53.0342,
35.5776

Harmonies

Analogous

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



11.0022, 13.0652, 28.8955



13.1409, 13.0652, 29.8462



15.3205, 13.0652, 25.7586

Triad

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



13.1409, 13.0652, 29.8462



15.9731, 13.0652, 7.8062



8.8558, 13.0652, 10.4096

Complementary

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



13.1409, 13.0652, 29.8462



20.9221, 21.5139, 10.2583

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.



9.9075, 13.0652, 6.7809



13.1409, 13.0652, 29.8462



13.9505, 13.0652, 5.6154

Square

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



13.1409, 13.0652, 29.8462



17.0786, 13.0652, 12.2897



11.7223, 13.0652, 5.3058



8.6934, 13.0652, 16.3552

Rectangle

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



13.1409, 13.0652, 29.8462



16.4425, 13.0652, 21.2785



11.7223, 13.0652, 5.3058



9.1106, 13.0652, 8.9341

Sweetspot

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



13.1414, 13.0657, 29.8465



39.8354, 41.7074, 55.3854



17.4127, 24.2720, 23.0583



8.8124, 9.2153, 12.5991



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.1414, 13.0657, 29.8465



19.4167, 18.5468, 51.9911



12.2544, 9.7446, 29.2522



5.6459, 5.9257, 7.3159



5.5134, 3.7216, 24.3588



0.0923, 0.0951, 0.3064

Inverse Universe

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



17.2865, 12.6849, 13.8497



27.8573, 18.4886, 19.2569



22.1730, 26.9924, 11.2498



5.8747, 5.8449, 6.4463



10.9100, 5.5691, 3.0071



0.1460, 0.0732, 0.1027

Previews

White Background



This preview shows how the XYZ color 13.1409, 13.0652, 29.8462 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 × Fail

Black Background



This preview shows how the XYZ color 13.1409, 13.0652, 29.8462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

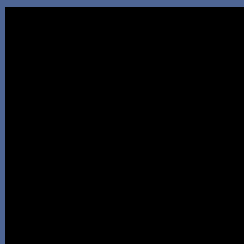
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

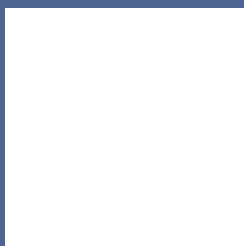
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1409, 13.0652, 29.8462

Background



This preview shows how black text looks on a background with the XYZ color 13.1409, 13.0652, 29.8462.

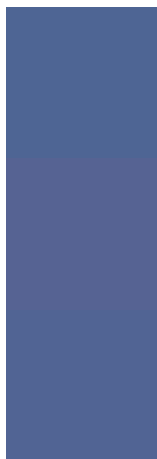


This preview shows how white text looks on a background with the XYZ color 13.1409, 13.0652,

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

13.1409, 13.0652, 29.8462

Protanopia

13.5661, 13.0087, 29.3997

Deuteranopia

13.2958, 13.0018, 29.8258



Tritanopia

10.7940, 13.0053, 18.4644

Trichromacy



Original Color

13.1409, 13.0652, 29.8462

Protanomaly

13.3909, 13.0599, 29.4188

Deuteranomaly

13.2107, 12.9579, 29.8218

Tritanomaly

11.6203, 13.0394, 22.3265

Monochromacy



Original Color

13.1409, 13.0652, 29.8462

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0824, 12.6228, 18.6293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1409, 13.0652, 29.8462 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(78, 101, 148)` looks like.

```
.text, #text, p{  
    color:rgb(78, 101, 148)  
}
```

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(78, 101, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 101, 148) }
```

Border

The CSS property to change the border of an element to XYZ 13.1409, 13.0652, 29.8462 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(78, 101, 148) }
```


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

```
.border{ border-color:rgb(78, 101, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 101, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 101, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 101, 148);  
box-shadow:4px 4px 4px 4px rgb(78, 101,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1409, 13.0652, 29.8462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 101, 148) }
```

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

```
.background{ background-color: rgb(78, 101,  
148) }
```

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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