

Converting Colors

XYZ(12.8890, 12.4177, 27.7057)

Have a look what the booklet for
XYZ(12.8890, 12.4177, 27.7057)
contains.

XYZ(12.8888, 12.4174, 27.7041)	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(12.8888, 12.4174,
27.7041)**

Conversions

Conversions Part 1

Format	Color
Hex	54618F
RGB	84, 97, 143
RGB Percent	33%, 38%, 56%
CMY	0.6706, 0.6196, 0.4392
CMYK	0.41, 0.32, 0.00, 0.44
HSL	227°, 26%, 45%
HSV	227°, 41%, 56%
XYZ	12.8888, 12.4174, 27.7041
YIQ	98.3570, -22.5140, 11.5500

Conversions

Conversions Part 2

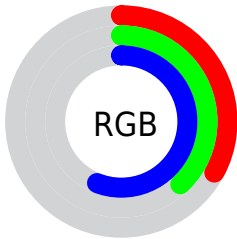
Format	Color
R_{YB}	84, 95, 143
Decimal	5529999
CIE _{Lab}	41.87, 7.43, -26.95
CIE _{LCh}	42, 27.960, 285.412
Yxy	12.4174, 0.2431, 0.2342
Android (android.graphics.Color)	4283720079 (0xFF54618F)
YUV	98.3570, 22.0090, -12.5911
Hunter-Lab	35.2383, 3.6212, -21.9465

Details

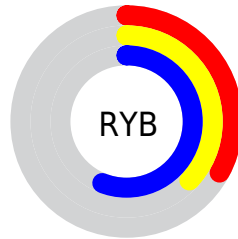
The XYZ color **12.8888, 12.4174, 27.7041** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **20.9110, 22.4455, 11.6184**, and the grayscale version is **11.6496, 12.2563, 13.3471**.

A 20% lighter version of the original color is **30.6651, 30.1329, 57.0233**, and **3.7753, 3.4804, 10.5980** is the 20% darker color. If you saturate the color by 10%, you get **10.7784, 9.9063, 27.3309**, and if you desaturate by 10%, it is **15.4062, 15.3538, 28.1384**.

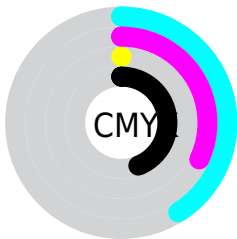
Distribution



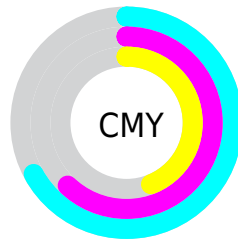
- Red (33%)
- Green (38%)
- Blue (56%)



- Red (33%)
- Yellow (37%)
- Blue (56%)



- Cyan (41%)
- Magenta (32%)
- Yellow (0%)
- Black (44%)



- Cyan (67%)
- Magenta (62%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8888, 12.4174, 27.7041 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 12.8888, 12.4174, 27.7041 by changing the saturation by 10% instead.

■ 12.8888, 12.4174,
27.7041

■ 12.8888, 12.4174,
27.7041

203.8558,
207.1493, 304.9176

■ 7.4285, 7.0286,
17.8656

■ 30.7069, 30.2531,
57.0291

■ 3.7802, 3.4800,
10.6851

■ 43.7954, 43.4687,
77.3527

■ 1.5785, 1.3872,
5.7440

■ 60.1573, 60.0622,
102.0084

■ 0.3784, 0.2072,
2.6238

■ 80.1580, 80.4177,
131.4147

■ 0.0000, 0.0000,
0.9047

■ 104.1628,
104.9198, 165.9903

■ 0.0000, 0.0000,
0.0000

132.5372,

133.9529, 206.1536

165.6464,
167.9012, 252.3232

■ 12.8888, 12.4174,
27.7041

■ 12.8888, 12.4174,
27.7041

■ 10.7784, 9.9063,
27.3309

■ 15.4062, 15.3538,
28.1384

■ 9.0517, 7.7988,
27.0151

■ 18.3497, 18.7329,
28.6355

■ 7.6849, 6.0734,
26.7541

■ 21.7385, 22.5729,
29.1981

■ 6.6509, 4.7058,
26.5446

■ 25.5905, 26.8906,
29.8285

■ 5.9185, 3.6686,
26.3830

■ 29.9224, 31.7018,
30.5288

■ 5.4613, 2.9899,
26.2761

■ 34.7502, 37.0216,
31.3012

■ 40.0890, 42.8645,
32.1476

■ 45.9534, 49.2444,
33.0700

■ 52.3574, 56.1746,
34.0701

Harmonies

Analogous

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



10.8308, 12.4174, 27.7724



12.8888, 12.4174, 27.7041



14.8603, 12.4174, 23.1718

Triad

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



12.8888, 12.4174, 27.7041



14.8133, 12.4174, 6.9338



8.3632, 12.4174, 10.8550

Complementary

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



12.8888, 12.4174, 27.7041



20.9110, 22.4455, 11.6184

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.



9.1956, 12.4174, 7.0082



12.8888, 12.4174, 27.7041



12.8304, 12.4174, 5.2342

Square

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



12.8888, 12.4174, 27.7041



16.0566, 12.4174, 10.7192



10.7788, 12.4174, 5.2567



8.3750, 12.4174, 16.7716

Rectangle

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



12.8888, 12.4174, 27.7041



15.7915, 12.4174, 18.8225



10.7788, 12.4174, 5.2567



8.5489, 12.4174, 9.3212

Sweetspot

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



12.8892, 12.4179, 27.7044



38.2884, 39.7011, 52.1831



17.4570, 23.1213, 24.3934



8.6159, 8.9186, 11.9396



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.8892, 12.4179, 27.7044



19.3710, 17.8233, 48.9573



13.3548, 11.0185, 27.4098



5.2200, 5.4358, 6.8029



4.8424, 2.6708, 23.2374



0.0602, 0.0534, 0.2268

Inverse Universe

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



16.6561, 13.0439, 12.9496



27.2206, 19.5052, 18.1254



20.2152, 24.8179, 12.1129



5.4545, 5.4423, 5.8915



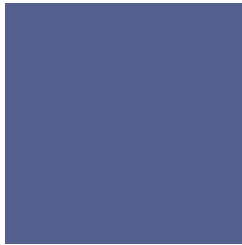
10.2473, 5.2560, 1.6879



0.1050, 0.0531, 0.0531

Previews

White Background



This preview shows how the XYZ color 12.8888, 12.4174, 27.7041 looks on a white background.

Color Contrast Check

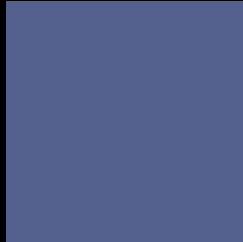
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8888, 12.4174, 27.7041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

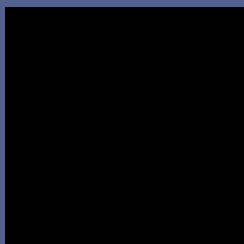
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

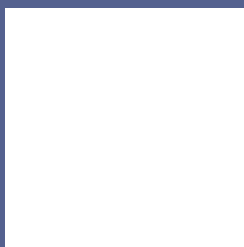
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8888, 12.4174, 27.7041

Background



This preview shows how black text looks on a background with the XYZ color 12.8888, 12.4174, 27.7041.

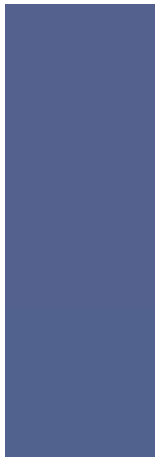


This preview shows how white text looks on a background with the XYZ color 12.8888, 12.4174,

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

12.8888, 12.4174, 27.7041

Protanopia

12.8888, 12.4174, 27.7041

Deuteranopia

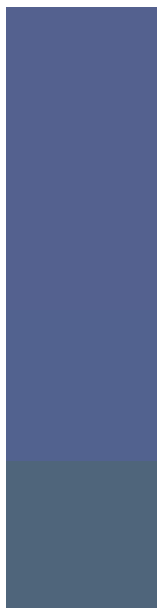
12.7189, 12.4679, 27.7228



Tritanopia

10.7000, 12.3847, 16.8655

Trichromacy



Original Color

12.8888, 12.4174, 27.7041

Protanomaly

12.8888, 12.4174, 27.7041

Deuteranomaly

12.8053, 12.5124, 27.7268

Tritanomaly

11.4533, 12.3997, 20.5286

Monochromacy



Original Color

12.8888, 12.4174, 27.7041

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9191, 12.2774, 17.6612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8888, 12.4174, 27.7041 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(84, 97, 143)` looks like.

```
.text, #text, p{  
    color:rgb(84, 97, 143)  
}
```

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(84, 97, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 97, 143) }
```

Border

The CSS property to change the border of an element to XYZ 12.8888, 12.4174, 27.7041 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(84, 97, 143) }
```


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

```
.border{ border-color:rgb(84, 97, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 97, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 97, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 97, 143);  
box-shadow:4px 4px 4px 4px rgb(84, 97,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8888, 12.4174, 27.7041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 97, 143) }
```

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

```
.background{ background-color: rgb(84, 97,  
143) }
```

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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