

Converting Colors

XYZ(12.7929, 12.5488, 25.7927)

Have a look what the booklet for
XYZ(12.7929, 12.5488, 25.7927)
contains.

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Color

**XYZ(12.7929, 12.5488,
25.7927)**

Conversions

Conversions Part 1

Format	Color
Hex	56628A
RGB	86, 98, 138
RGB Percent	34%, 38%, 54%
CMY	0.6627, 0.6157, 0.4588
CMYK	0.38, 0.29, 0.00, 0.46
HSL	226°, 23%, 44%
HSV	226°, 38%, 54%
XYZ	12.7929, 12.5488, 25.7927
YIQ	98.9720, -19.9920, 9.8960

Conversions

Conversions Part 2

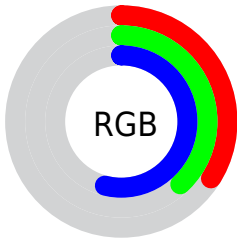
Format	Color
R_{YB}	86, 96, 138
Decimal	5661322
CIE Lab	42.08, 5.92, -23.62
CIE LCh	42, 24.349, 284.060
Yxy	12.5488, 0.2502, 0.2454
Android (android.graphics.Color)	4283851402 (0xFF56628A)
YUV	98.9720, 19.2408, -11.3764
Hunter-Lab	35.4243, 2.4698, -18.3725

Details

The XYZ color **12.7929, 12.5488, 25.7927** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **19.6221, 20.9972, 11.8233**, and the grayscale version is **11.8097, 12.4248, 13.5306**.

A 20% lighter version of the original color is **30.5784, 30.6190, 54.1676**, and **3.7524, 3.5539, 9.7207** is the 20% darker color. If you saturate the color by 10%, you get **10.7147, 10.0997, 25.4297**, and if you desaturate by 10%, it is **15.2491, 15.3889, 26.2117**.

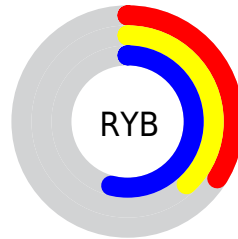
Distribution



Red (34%)

Green (38%)

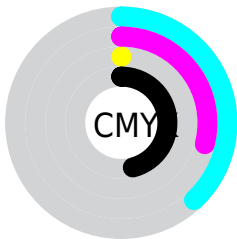
Blue (54%)



Red (34%)

Yellow (38%)

Blue (54%)

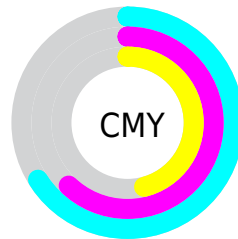


Cyan (38%)

Magenta (29%)

Yellow (0%)

Black (46%)



Cyan (66%)

Magenta (62%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7929, 12.5488, 25.7927 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 12.7929, 12.5488, 25.7927 by changing the saturation by 10% instead.

■ 12.7929, 12.5488,
25.7927

■ 12.7929, 12.5488,
25.7927

203.2506,
208.0054, 295.3360

■ 7.3621, 7.1186,
16.4442

■ 30.5357, 30.4908,
53.9203

■ 3.7379, 3.5364,
9.6813

■ 43.5784, 43.7713,
73.5365

■ 1.5550, 1.4178,
5.0853

■ 59.8892, 60.4374,
97.4124

■ 0.3628, 0.2298,
2.2378

■ 79.8333, 80.8735,
125.9666

■ 0.0000, 0.0000,
0.6961

■ 103.7761,
105.4640, 159.6174

■ 0.0000, 0.0000,
0.0000

132.0831,

134.5932, 198.7836

165.1195,
168.6455, 243.8836

■ 12.7929, 12.5488,
25.7927

■ 12.7929, 12.5488,
25.7927

■ 10.7147, 10.0997,
25.4297

■ 15.2491, 15.3889,
26.2117

■ 8.9938, 8.0224,
25.1195

■ 18.0999, 18.6349,
26.6880

■ 7.6096, 6.2986,
24.8597

■ 21.3624, 22.3029,
27.2240

■ 6.5386, 4.9072,
24.6476

■ 25.0525, 26.4075,
27.8218

■ 5.7542, 3.8252,
24.4801

■ 29.1849, 30.9625,
28.4832

■ 5.2085, 3.0175,
24.3529

■ 33.7740, 35.9814,
29.2100

■ 5.0999, 2.8598,
24.3282

■ 38.8332, 41.4768,
30.0041

■ 44.3755, 47.4611,
30.8671

■ 50.4134, 53.9460,
31.8006

Harmonies

Analogous

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



10.9967, 12.5488, 25.6636



12.7929, 12.5488, 25.7927



14.5150, 12.5488, 22.1510

Triad

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



12.7929, 12.5488, 25.7927



14.6072, 12.5488, 7.8380



8.8839, 12.5488, 11.1048

Complementary

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



12.7929, 12.5488, 25.7927



19.6221, 20.9972, 11.8233

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.



9.6670, 12.5488, 7.6794



12.7929, 12.5488, 25.7927



12.9089, 12.5488, 6.1455

Square

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



12.7929, 12.5488, 25.7927



15.6320, 12.5488, 11.3823



11.1016, 12.5488, 6.0959



8.8596, 12.5488, 16.2308

Rectangle

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



12.7929, 12.5488, 25.7927



15.3388, 12.5488, 18.5040



11.1016, 12.5488, 6.0959



9.0633, 12.5488, 9.7507

Sweetspot

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



12.7933, 12.5493, 25.7930



35.5252, 36.9269, 47.6384



16.6839, 21.6587, 22.9952



7.8193, 8.1154, 10.6606



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.7933, 12.5493, 25.7930



19.4698, 18.4964, 44.9272



13.1565, 11.1928, 25.5120



4.8623, 5.0675, 6.3277



4.6857, 2.6416, 22.3086



0.0407, 0.0367, 0.1514

Inverse Universe

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



16.0140, 12.9412, 13.2096



26.0531, 19.5700, 19.1451



19.1000, 23.1442, 12.2652



5.0771, 5.0663, 5.4945



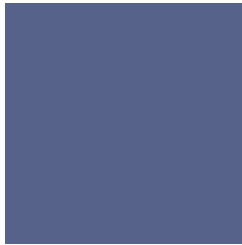
9.8519, 5.0509, 1.7245



0.0703, 0.0355, 0.0369

Previews

White Background



This preview shows how the XYZ color 12.7929, 12.5488, 25.7927 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 12.7929, 12.5488, 25.7927 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

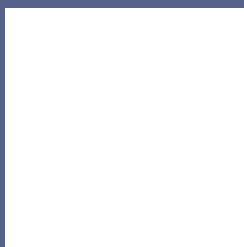
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7929, 12.5488, 25.7927

Background



This preview shows how black text looks on a background with the XYZ color 12.7929, 12.5488, 25.7927.



This preview shows how white text looks on a background with the XYZ color 12.7929, 12.5488,

25.7927.

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

12.7929, 12.5488, 25.7927

Protanopia

12.8856, 12.5966, 25.7970

Deuteranopia

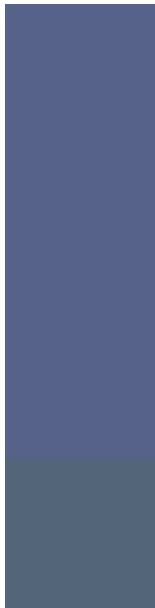
12.7929, 12.5488, 25.7927



Tritanopia

11.0278, 12.5537, 16.8808

Trichromacy



Original Color

12.7929, 12.5488, 25.7927

Protanomaly

12.8856, 12.5966, 25.7970

Deuteranomaly

12.7929, 12.5488, 25.7927

Tritanomaly

11.5845, 12.4817, 19.8878

Monochromacy



Original Color

12.7929, 12.5488, 25.7927

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0586, 12.4956, 17.3991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7929, 12.5488, 25.7927 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(86, 98, 138) looks like.

```
.text, #text, p{  
    color:rgb(86, 98, 138)  
}
```

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(86, 98, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 98, 138) }
```

Border

The CSS property to change the border of an element to XYZ 12.7929, 12.5488, 25.7927 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(86, 98, 138) }
```


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

```
.border{ border-color:rgb(86, 98, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 98, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 98, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 98, 138);  
box-shadow:4px 4px 4px 4px rgb(86, 98,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7929, 12.5488, 25.7927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 98, 138) }
```

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

```
.background{ background-color: rgb(86, 98,  
138) }
```

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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