

Converting Colors

XYZ(12.1789, 22.7110, 4.9853)

Have a look what the booklet for
XYZ(12.1789, 22.7110, 4.9853)
contains.

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Color

**XYZ(12.1377, 22.6583,
4.9621)**

Conversions

Conversions Part 1

Format	Color
Hex	27971E
RGB	39, 151, 30
RGB Percent	15%, 59%, 12%
CMY	0.8471, 0.4078, 0.8823
CMYK	0.74, 0.00, 0.80, 0.41
HSL	116°, 67%, 35%
HSV	116°, 80%, 59%
XYZ	12.1377, 22.6583, 4.9621
YIQ	103.7180, -27.9110, -61.3750

Conversions

Conversions Part 2

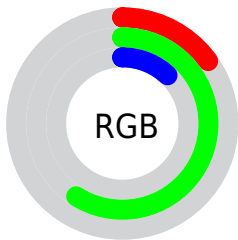
Format	Color
R_{YB}	30, 151, 142
Decimal	2594590
CIE Lab	54.72, -53.03, 50.49
CIE LCh	55, 73.224, 136.407
Yxy	22.6583, 0.3053, 0.5699
Android (android.graphics.Color)	4280784670 (0xFF27971E)
YUV	103.7180, -36.3430, -56.7577
Hunter-Lab	47.6007, -37.7856, 27.1399

Details

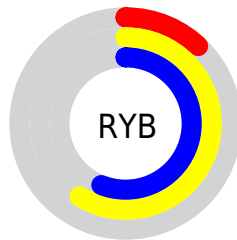
The XYZ color **12.1377, 22.6583, 4.9621** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **17.2071, 8.9147, 30.0931**, and the grayscale version is **13.1827, 13.8693, 15.1036**.

A 20% lighter version of the original color is **29.2651, 47.6663, 16.0456**, and **4.4618, 8.9237, 1.4873** is the 20% darker color. If you saturate the color by 10%, you get **11.5541, 22.3753, 4.1583**, and if you desaturate by 10%, it is **13.0099, 23.0807, 6.2627**.

Distribution



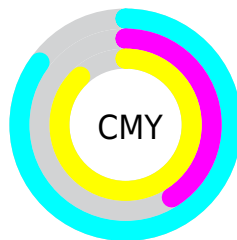
- Red (15%)
- Green (59%)
- Blue (12%)



- Red (12%)
- Yellow (59%)
- Blue (56%)



- Cyan (74%)
- Magenta (0%)
- Yellow (80%)
- Black (41%)





- Cyan (85%)
- Magenta (41%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1377, 22.6583, 4.9621 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 12.1377, 22.6583, 4.9621 by changing the saturation by 10% instead.


 12.1377, 22.6583,
4.9621


 12.1377, 22.6583,
4.9621


199.0661,
265.9651, 158.3843


 6.9104, 14.3414,
2.1667


 29.3603, 47.8316,
16.1740


 3.4520, 8.3585,
0.6550


 42.0864, 65.4569,
25.4276


 1.3970, 4.3252,
0.0000

 58.0427, 86.9537,
37.6711

 0.2541, 1.8571,
0.0000

 77.5947, 112.7065,
53.3228

 0.0000, 0.5224,
0.0000

 101.1077,
143.0996, 72.8015

 0.0000, 0.0000,
0.0000

 128.9470,

178.5175, 96.5256

161.4780,
219.3445, 124.9137

■ 12.1377, 22.6583,
4.9621

■ 12.1377, 22.6583,
4.9621

■ 11.5541, 22.3753,
4.1583

■ 13.0099, 23.0807,
6.2627

■ 11.2081, 22.2068,
3.6956

■ 14.1999, 23.6543,
8.1210

■ 15.7353, 24.3928,
10.5907

■ 17.6401, 25.3074,
13.7190

■ 19.9361, 26.4087,
17.5483

■ 22.6436, 27.7062,
22.1176

■ 25.7814, 29.2087,
27.4628

■ 29.3670, 30.9246,
33.6177

■ 33.4171, 32.8618,
40.6140

Harmonies

Analogous

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



17.4429, 22.6583, 1.8793



12.1377, 22.6583, 4.9621



9.6988, 22.6583, 15.6297

Triad

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



12.1377, 22.6583, 4.9621



18.0905, 22.6583, 98.0006



40.1185, 22.6583, 14.1254

Complementary

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



12.1377, 22.6583, 4.9621



17.2071, 8.9147, 30.0931

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.



40.4179, 22.6583, 36.6612



12.1377, 22.6583, 4.9621



26.2240, 22.6583, 96.5903

Square

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



12.1377, 22.6583, 4.9621



12.5092, 22.6583, 72.8952



34.8456, 22.6583, 69.7629



34.1081, 22.6583, 4.4509

Rectangle

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



12.1377, 22.6583, 4.9621



9.5017, 22.6583, 29.9709



34.8456, 22.6583, 69.7629



40.9340, 22.6583, 20.0359

Sweetspot

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



12.1382, 22.6592, 4.9626



38.3477, 48.5611, 35.8806



22.5105, 25.6994, 5.0027



8.3585, 10.8660, 7.5525



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



12.1382, 22.6592, 4.9626



20.1900, 39.8242, 6.8483



13.0662, 22.9957, 11.4212



6.1726, 6.9464, 6.6213



9.5452, 18.8966, 3.1443



0.1526, 0.2876, 0.0475

Inverse Universe

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



17.2071, 8.9147, 30.0931



29.4598, 14.1580, 53.6137



15.5562, 8.4399, 13.0154



6.4159, 6.3003, 7.8069



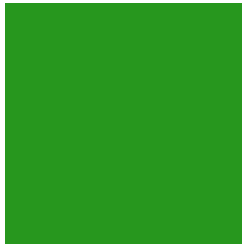
13.9309, 6.6327, 25.4537



0.2199, 0.1052, 0.3811

Previews

White Background



This preview shows how the XYZ color 12.1377, 22.6583, 4.9621 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 12.1377, 22.6583, 4.9621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

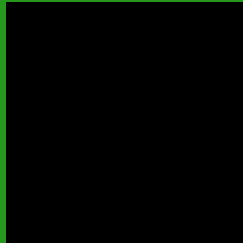
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.1377, 22.6583, 4.9621

Background



This preview shows how black text looks on a background with the XYZ color 12.1377, 22.6583, 4.9621.



This preview shows how white text looks on a background with the XYZ color 12.1377, 22.6583,

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

12.1377, 22.6583, 4.9621

Protanopia

20.0122, 22.1464, 4.1396

Deuteranopia

22.6233, 22.1269, 5.3640



Tritanopia

17.8649, 22.6945, 33.1447

Trichromacy



Original Color

12.1377, 22.6583, 4.9621

Protanomaly

15.3497, 21.3819, 4.3550

Deuteranomaly

16.2086, 20.7666, 4.9878

Tritanomaly

14.6957, 22.2942, 17.7160

Monochromacy



Original Color

12.1377, 22.6583, 4.9621

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

11.4852, 15.9160, 9.4879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1377, 22.6583, 4.9621 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(39, 151, 30)` looks like.

```
.text, #text, p{  
    color:rgb(39, 151, 30)  
}
```

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(39, 151, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 151, 30) }
```

Border

The CSS property to change the border of an element to XYZ 12.1377, 22.6583, 4.9621 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(39, 151, 30) }
```


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

```
.border{ border-color:rgb(39, 151, 30) }
```

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

Here you see how a box with a 4 pixel rgb(39, 151, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 151, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 151, 30);  
box-shadow:4px 4px 4px 4px rgb(39, 151,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1377, 22.6583, 4.9621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 151, 30) }
```

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

```
.background{ background-color: rgb(39, 151,  
30) }
```

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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