

Converting Colors

XYZ(12.0341, 21.7576, 6.0304)

Have a look what the booklet for
XYZ(12.0341, 21.7576, 6.0304)
contains.

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Color

**XYZ(12.1023, 21.9047,
6.0728)**

Conversions

Conversions Part 1

Format	Color
Hex	2C942D
RGB	44, 148, 45
RGB Percent	17%, 58%, 18%
CMY	0.8274, 0.4196, 0.8235
CMYK	0.70, 0.00, 0.70, 0.42
HSL	121°, 54%, 38%
HSV	121°, 70%, 58%
XYZ	12.1023, 21.9047, 6.0728
YIQ	105.1620, -28.9210, -54.0810

Conversions

Conversions Part 2

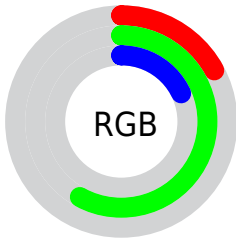
Format	Color
R_{YB}	44, 147, 148
Decimal	2921517
CIE _{Lab}	53.93, -49.86, 44.15
CIE _{LCh}	54, 66.596, 138.478
Yxy	21.9047, 0.3020, 0.5465
Android (android.graphics.Color)	4281111597 (0xFF2C942D)
YUV	105.1620, -29.6599, -53.6391
Hunter-Lab	46.8025, -35.7473, 25.0686

Details

The XYZ color **12.1023, 21.9047, 6.0728** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.3805, 10.2043, 28.6051**, and the grayscale version is **13.5554, 14.2613, 15.5306**.

A 20% lighter version of the original color is **29.2930, 46.5597, 18.5093**, and **4.1829, 8.3657, 1.3943** is the 20% darker color. If you saturate the color by 10%, you get **11.3415, 21.5403, 4.8115**, and if you desaturate by 10%, it is **13.1889, 22.4271, 7.8619**.

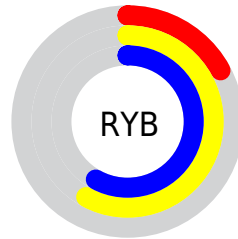
Distribution



Red (17%)

Green (58%)

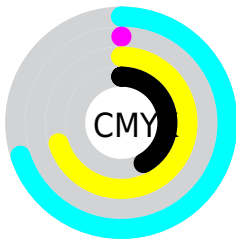
Blue (18%)



Red (17%)

Yellow (58%)

Blue (58%)

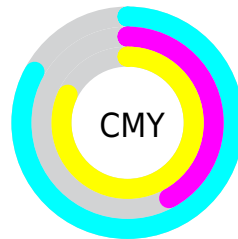


Cyan (70%)

Magenta (0%)

Yellow (70%)

Black (42%)



Cyan (83%)

Magenta (42%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1023, 21.9047, 6.0728 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 12.1023, 21.9047, 6.0728 by changing the saturation by 10% instead.

■ 12.1023, 21.9047,
6.0728

■ 12.1023, 21.9047,
6.0728

198.8375,
262.0482, 169.0477

■ 6.8861, 13.7869,
2.8199

■ 29.2965, 46.5884,
18.5621

■ 3.4367, 7.9726,
1.0034

■ 42.0053, 63.9232,
28.6355

■ 1.3887, 4.0774,
0.0000

■ 57.9422, 85.0990,
41.8196

■ 0.2481, 1.7170,
0.0000

■ 77.4727, 110.5003,
58.5328

■ 0.0000, 0.4346,
0.0000

■ 100.9621,
140.5114, 79.1937

■ 0.0000, 0.0000,
0.0000

■ 128.7758,

175.5169, 104.2207

161.2792,
215.9010, 134.0326

■ 12.1023, 21.9047,
6.0728

■ 12.1023, 21.9047,
6.0728

■ 11.3415, 21.5403,
4.8115

■ 13.1889, 22.4271,
7.8619

■ 10.8689, 21.3137,
4.0192

■ 14.6307, 23.1195,
10.2264

■ 10.5981, 21.1837,
3.5712

■ 16.4552, 23.9959,
13.2105

■ 18.6873, 25.0683,
16.8533

■ 21.3494, 26.3474,
21.1911

■ 24.4624, 27.8433,
26.2572

■ 28.0458, 29.5653,
32.0830

■ 32.1181, 31.5225,
38.6979

■ 36.6965, 33.7230,
46.1300

Harmonies

Analogous

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



16.7450, 21.9047, 2.5738



12.1023, 21.9047, 6.0728



10.0136, 21.9047, 16.7946

Triad

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



12.1023, 21.9047, 6.0728



18.1830, 21.9047, 87.3210



36.8436, 21.9047, 13.3890

Complementary

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



12.1023, 21.9047, 6.0728



18.3805, 10.2043, 28.6051

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.



37.4812, 21.9047, 32.6486



12.1023, 21.9047, 6.0728



25.5071, 21.9047, 84.4061

Square

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



12.1023, 21.9047, 6.0728



12.9457, 21.9047, 67.3672



32.9558, 21.9047, 60.8169



31.3738, 21.9047, 4.8100

Rectangle

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



12.1023, 21.9047, 6.0728



9.9357, 21.9047, 30.1646



32.9558, 21.9047, 60.8169



37.6699, 21.9047, 18.4854

Sweetspot

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



12.1028, 21.9056, 6.0733



37.0886, 46.2082, 36.4448



23.2582, 27.6586, 6.4959



8.1881, 10.4145, 7.8660



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.



12.1028, 21.9056, 6.0733



19.5012, 37.7610, 7.6378



13.7405, 22.5607, 14.6973



5.7317, 6.4693, 6.1982



9.0528, 18.0939, 3.0534



0.1113, 0.2216, 0.0397

Inverse Universe

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



18.3805, 10.2043, 28.6051



31.2903, 15.7728, 49.9406



15.2254, 8.9422, 11.9905



6.0329, 5.9082, 7.2796



14.9022, 7.1660, 24.0300



0.1830, 0.0880, 0.2974

Previews

White Background



This preview shows how the XYZ color 12.1023, 21.9047, 6.0728 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 12.1023, 21.9047, 6.0728 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 12.1023, 21.9047, 6.0728

Background



This preview shows how black text looks on a background with the XYZ color 12.1023, 21.9047, 6.0728.



This preview shows how white text looks on a background with the XYZ color 12.1023, 21.9047,

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

12.1023, 21.9047, 6.0728

Protanopia

19.4299, 21.4312, 5.1201

Deuteranopia

21.9235, 21.5563, 6.4953



Tritanopia

17.2609, 21.7634, 31.7248

Trichromacy



Original Color

12.1023, 21.9047, 6.0728



Protanomaly

15.1453, 20.6209, 5.3725



Deuteranomaly

16.0500, 20.2535, 6.1954



Tritanomaly

14.5289, 21.5178, 18.4265

Monochromacy



Original Color

12.1023, 21.9047, 6.0728



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.9660, 16.1383, 10.6679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1023, 21.9047, 6.0728 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(44, 148, 45)` looks like.

```
.text, #text, p{  
    color:rgb(44, 148, 45)  
}
```

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(44, 148, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 148, 45) }
```

Border

The CSS property to change the border of an element to XYZ 12.1023, 21.9047, 6.0728 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(44, 148, 45) }
```


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

```
.border{ border-color:rgb(44, 148, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 148, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 148, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 148, 45);  
box-shadow:4px 4px 4px 4px rgb(44, 148,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1023, 21.9047, 6.0728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 148, 45) }
```

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

```
.background{ background-color: rgb(44, 148,  
45) }
```

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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