

Converting Colors

XYZ(12.9191, 21.0138, 11.7124)

Have a look what the booklet for
XYZ(12.9191, 21.0138, 11.7124)
contains.

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Color

**XYZ(12.9440, 21.0693,
11.7721)**

Conversions

Conversions Part 1

Format	Color
Hex	368F54
RGB	54, 143, 84
RGB Percent	21%, 56%, 33%
CMY	0.7882, 0.4392, 0.6706
CMYK	0.62, 0.00, 0.41, 0.44
HSL	140°, 45%, 39%
HSV	140°, 62%, 56%
XYZ	12.9440, 21.0693, 11.7721
YIQ	109.6630, -34.1050, -37.2170

Conversions

Conversions Part 2

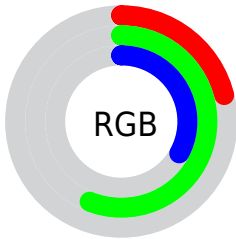
Format	Color
RYB	54, 121, 143
Decimal	3575636
CIELab	53.03, -40.28, 23.73
CIELCh	53, 46.749, 149.495
Yxy	21.0693, 0.2827, 0.4602
Android (android.graphics.Color)	4281765716 (0xFF368F54)
YUV	109.6630, -12.6519, -48.8165
Hunter-Lab	45.9013, -29.9909, 16.9251




Details

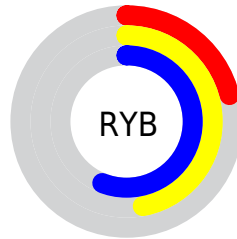
The XYZ color **12.9440, 21.0693, 11.7721** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.6281, 9.6706, 16.6662**, and the grayscale version is **14.7670, 15.5360, 16.9187**.




A 20% lighter version of the original color is **30.9276, 45.4244, 29.6920**, and **4.1770, 7.7942, 3.1180** is the 20% darker color. If you saturate the color by 10%, you get **11.9400, 20.5924, 9.9166**, and if you desaturate by 10%, it is **14.2250, 21.6844, 13.9039**.

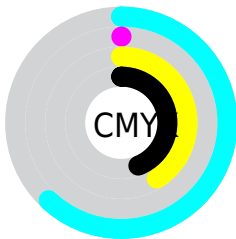
Distribution







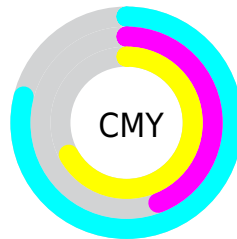
-  Red (21%)
-  Green (56%)
-  Blue (33%)






-  Red (21%)
-  Yellow (47%)
-  Blue (56%)



-  Cyan (62%)
-  Magenta (0%)
-  Yellow (41%)
-  Black (44%)



-  Cyan (79%)
-  Magenta (44%)
-  Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9440, 21.0693, 11.7721 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 12.9440, 21.0693, 11.7721 by changing the saturation by 10% instead.

■ 12.9440, 21.0693,
11.7721

■ 12.9440, 21.0693,
11.7721

204.2033,
257.6466, 213.8147

■ 7.4667, 13.1747,
6.4680

■ 30.8053, 45.2028,
29.7375

■ 3.8046, 7.5489,
3.0584

■ 43.9201, 62.2105,
43.2359

■ 1.5922, 3.8077,
1.1245

■ 60.3114, 83.0247,
60.3029

■ 0.3873, 1.5666,
0.0000

■ 80.3445, 108.0298,
81.3570

■ 0.0000, 0.3349,
0.0000

■ 104.3850,
137.6101, 106.8166

■ 0.0000, 0.0000,
0.0000

■ 132.7980,

172.1500, 137.1004

165.9490,
212.0341, 172.6270

■ 12.9440, 21.0693,
11.7721

■ 12.9440, 21.0693,
11.7721

■ 11.9400, 20.5924,
9.9166

■ 14.2250, 21.6844,
13.9039

■ 11.1891, 20.2397,
8.3243

■ 15.8013, 22.4452,
16.3214

■ 10.6654, 19.9988,
6.9835

■ 17.6914, 23.3614,
19.0352

■ 10.3606, 19.8608,
6.1059

■ 19.9118, 24.4416,
22.0550

■ 22.4778, 25.6932,
25.3902

■ 25.4037, 27.1236,
29.0494

■ 28.7030, 28.7395,
33.0413

■ 32.3885, 30.5474,
37.3740

■ 36.4724, 32.5533,
42.0553

Harmonies

Analogous

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



15.7284, 21.0693, 6.5384



12.9440, 21.0693, 11.7721



11.9918, 21.0693, 22.7032

Triad

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



12.9440, 21.0693, 11.7721



19.9426, 21.0693, 61.9837



29.4170, 21.0693, 12.0389

Complementary

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



12.9440, 21.0693, 11.7721



15.6281, 9.6706, 16.6662

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.



31.0259, 21.0693, 23.1802



12.9440, 21.0693, 11.7721



25.0421, 21.0693, 55.4344

Square

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



12.9440, 21.0693, 11.7721



15.6060, 21.0693, 55.0060



29.3095, 21.0693, 39.5826



25.2099, 21.0693, 6.6422

Rectangle

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



12.9440, 21.0693, 11.7721



12.3801, 21.0693, 33.1972



29.3095, 21.0693, 39.5826



30.3074, 21.0693, 15.0500

Sweetspot

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



12.9445, 21.0702, 11.7726



36.8968, 44.3732, 41.1315



17.3420, 23.4451, 7.1014



8.2017, 10.0493, 9.0899



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.



12.9445, 21.0702, 11.7726



20.7440, 36.5754, 16.4619



15.2517, 21.9930, 23.9217



5.4132, 6.0575, 6.1418



9.1694, 17.5636, 5.4461



0.0972, 0.1717, 0.1021

Inverse Universe

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



15.6281, 9.6706, 16.6662



25.9510, 14.3208, 25.8566



13.7164, 8.9059, 6.5994



5.5500, 5.4805, 6.3945



11.8440, 5.8946, 10.0958



0.1235, 0.0605, 0.1508

Previews

White Background



This preview shows how the XYZ color 12.9440, 21.0693, 11.7721 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



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 12.9440, 21.0693, 11.7721

Background



This preview shows how black text looks on a background with the XYZ color 12.9440, 21.0693, 11.7721.



This preview shows how white text looks on a background with the XYZ color 12.9440, 21.0693,

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

12.9440, 21.0693, 11.7721

Protanopia

19.1169, 20.7759, 10.0238

Deuteranopia

21.0973, 20.6382, 12.3228



Tritanopia

16.8183, 21.1314, 30.7961

Trichromacy



Original Color

12.9440, 21.0693, 11.7721

Protanomaly

15.7626, 20.2075, 10.6591

Deuteranomaly

16.5097, 19.7713, 11.9629

Tritanomaly

15.1175, 21.0787, 22.3406

Monochromacy



Original Color

12.9440, 21.0693, 11.7721

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.5249, 17.0323, 14.8866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9440, 21.0693, 11.7721 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(54, 143, 84)` looks like.

```
.text, #text, p{  
    color:rgb(54, 143, 84)  
}
```

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(54, 143, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 143, 84) }
```

Border

The CSS property to change the border of an element to XYZ 12.9440, 21.0693, 11.7721 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(54, 143, 84) }
```


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

```
.border{ border-color:rgb(54, 143, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 143, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 143, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 143, 84);  
box-shadow:4px 4px 4px 4px rgb(54, 143,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9440, 21.0693, 11.7721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 143, 84) }
```

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

```
.background{ background-color: rgb(54, 143,  
84) }
```

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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