

Converting Colors

XYZ(12.7152, 21.1392, 8.2555)

Have a look what the booklet for
XYZ(12.7152, 21.1392, 8.2555)
contains.

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Color

**XYZ(12.6723, 21.0072,
8.2374)**

Conversions

Conversions Part 1

Format	Color
Hex	3D8F40
RGB	61, 143, 64
RGB Percent	24%, 56%, 25%
CMY	0.7608, 0.4392, 0.7490
CMYK	0.57, 0.00, 0.55, 0.44
HSL	122°, 40%, 40%
HSV	122°, 57%, 56%
XYZ	12.6723, 21.0072, 8.2374
YIQ	109.4760, -23.5130, -41.9530

Conversions

Conversions Part 2

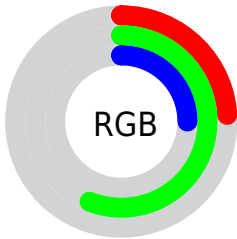
Format	Color
RYB	61, 140, 143
Decimal	4034368
CIELab	52.96, -41.80, 34.30
CIElCh	53, 54.073, 140.624
Yxy	21.0072, 0.3023, 0.5012
Android (android.graphics.Color)	4282224448 (0xFF3D8F40)
YUV	109.4760, -22.4197, -42.5135
Hunter-Lab	45.8336, -30.8563, 21.4277

Details

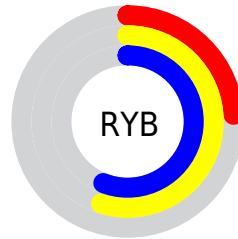
The XYZ color **12.6723, 21.0072, 8.2374** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.7305, 11.0708, 26.0133**, and the grayscale version is **14.7383, 15.5058, 16.8859**.

A 20% lighter version of the original color is **30.4338, 45.3161, 23.0624**, and **3.9134, 7.6888, 1.7298** is the 20% darker color. If you saturate the color by 10%, you get **11.5620, 20.4753, 6.3859**, and if you desaturate by 10%, it is **14.1153, 21.7007, 10.6109**.

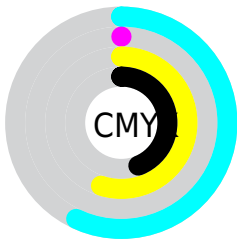
Distribution



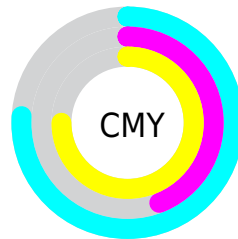
- Red (24%)
- Green (56%)
- Blue (25%)



- Red (24%)
- Yellow (55%)
- Blue (56%)



- Cyan (57%)
- Magenta (0%)
- Yellow (55%)
- Black (44%)



- Cyan (76%)
- Magenta (44%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6723, 21.0072, 8.2374 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 12.6723, 21.0072, 8.2374 by changing the saturation by 10% instead.

■ 12.6723, 21.0072,
8.2374

■ 12.6723, 21.0072,
8.2374

202.4870,
257.3168, 187.5860

■ 7.2787, 13.1293,
4.1573

■ 30.3201, 45.0995,
22.9764

■ 3.6849, 7.5176,
1.7120

■ 43.3051, 62.0827,
34.4723

■ 1.5255, 3.7879,
0.3690

■ 59.5512, 82.8697,
49.2772

■ 0.3431, 1.5556,
0.0000

■ 79.4239, 107.8450,
67.8097

■ 0.0000, 0.3274,
0.0000

■ 103.2885,
137.3930, 90.4883

■ 0.0000, 0.0000,
0.0000

131.5103,

171.8980, 117.7315

164.4547,
211.7445, 149.9579

■ 12.6723, 21.0072,
8.2374

■ 12.6723, 21.0072,
8.2374

■ 11.5620, 20.4753,
6.3859

■ 14.1153, 21.7007,
10.6109

■ 10.7564, 20.0894,
5.0160

■ 15.9129, 22.5644,
13.5403

■ 10.2256, 19.8359,
4.0833

■ 18.0872, 23.6097,
17.0581

■ 9.9192, 19.6898,
3.5332

■ 20.6577, 24.8459,
21.1940

■ 9.8516, 19.6573,
3.4254

■ 23.6429, 26.2821,
25.9757

■ 27.0599, 27.9265,
31.4291

■ 30.9249, 29.7869,
37.5788

■ 35.2534, 31.8707,
44.4482

■ 40.0600, 34.1851,
52.0594

Harmonies

Analogous

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



16.3692, 21.0072, 4.3335



12.6723, 21.0072, 8.2374



11.0295, 21.0072, 18.1562

Triad

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



12.6723, 21.0072, 8.2374



18.2434, 21.0072, 69.5487



32.0006, 21.0072, 13.5477

Complementary

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



12.6723, 21.0072, 8.2374



17.7305, 11.0708, 26.0133

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.



32.7635, 21.0072, 28.3439



12.6723, 21.0072, 8.2374



24.0562, 21.0072, 66.2788

Square

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



12.6723, 21.0072, 8.2374



13.8206, 21.0072, 56.4723



29.6302, 21.0072, 48.9346



27.7086, 21.0072, 6.2364

Rectangle

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



12.6723, 21.0072, 8.2374



11.0573, 21.0072, 29.1226



29.6302, 21.0072, 48.9346



32.7063, 21.0072, 17.5887

Sweetspot

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



12.6728, 21.0081, 8.2379



36.9855, 44.4896, 37.9412



21.5259, 25.5816, 8.2180



8.2837, 10.1073, 8.3830



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.



12.6728, 21.0081, 8.2379



20.1992, 36.4241, 10.5826



14.2835, 21.6524, 16.7197



5.3504, 6.0324, 5.8110



8.7120, 17.3807, 3.0378



0.0846, 0.1667, 0.0358

Inverse Universe

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



17.7305, 11.0708, 26.0133



30.1709, 16.8091, 45.6109



15.2619, 10.0833, 13.0135



5.6178, 5.5077, 6.7516



14.0586, 6.7805, 21.7577



0.1361, 0.0655, 0.2171

Previews

White Background



This preview shows how the XYZ color 12.6723, 21.0072, 8.2374 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 12.6723, 21.0072, 8.2374 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 12.6723, 21.0072, 8.2374

Background



This preview shows how black text looks on a background with the XYZ color 12.6723, 21.0072, 8.2374.



This preview shows how white text looks on a background with the XYZ color 12.6723, 21.0072,

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

12.6723, 21.0072, 8.2374

Protanopia

18.8720, 20.7162, 7.0069

Deuteranopia

20.9588, 20.6474, 8.6751



Tritanopia

16.9442, 20.8000, 29.9098

Trichromacy



Original Color

12.6723, 21.0072, 8.2374

Protanomaly

15.6224, 20.2083, 7.3522

Deuteranomaly

16.5083, 19.8488, 8.4300

Tritanomaly

14.8457, 20.5687, 19.7107

Monochromacy



Original Color

12.6723, 21.0072, 8.2374

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.2268, 16.7404, 12.8900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6723, 21.0072, 8.2374 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(61, 143, 64)` looks like.

```
.text, #text, p{  
    color:rgb(61, 143, 64)  
}
```

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(61, 143, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 143, 64) }
```

Border

The CSS property to change the border of an element to XYZ 12.6723, 21.0072, 8.2374 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(61, 143, 64) }
```


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

```
.border{ border-color:rgb(61, 143, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 143, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 143, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 143, 64);  
box-shadow:4px 4px 4px 4px rgb(61, 143,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6723, 21.0072, 8.2374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 143, 64) }
```

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

```
.background{ background-color: rgb(61, 143,  
64) }
```

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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