

Converting Colors

XYZ(12.7842, 21.3682, 7.4143)

Have a look what the booklet for
XYZ(12.7842, 21.3682, 7.4143)
contains.

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Color

**XYZ(12.7236, 21.2761,
7.4391)**

Conversions

Conversions Part 1

Format	Color
Hex	3E903A
RGB	62, 144, 58
RGB Percent	24%, 56%, 23%
CMY	0.7569, 0.4353, 0.7725
CMYK	0.57, 0.00, 0.60, 0.44
HSL	117°, 43%, 40%
HSV	117°, 60%, 56%
XYZ	12.7236, 21.2761, 7.4391
YIQ	109.6780, -21.2660, -44.1300

Conversions

Conversions Part 2

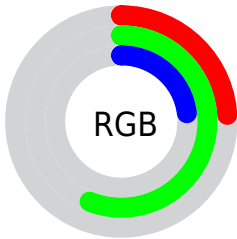
Format	Color
RYB	58, 144, 140
Decimal	4100154
CIELab	53.25, -42.72, 37.64
CIELCh	53, 56.931, 138.618
Yxy	21.2761, 0.3070, 0.5134
Android (android.graphics.Color)	4282290234 (0xFF3E903A)
YUV	109.6780, -25.4773, -41.8136
Hunter-Lab	46.1260, -31.4823, 22.7261

Details

The XYZ color **12.7236, 21.2761, 7.4391** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.3634, 10.6159, 27.5205**, and the grayscale version is **14.8042, 15.5752, 16.9614**.

A 20% lighter version of the original color is **30.4663, 45.7115, 21.4048**, and **3.9417, 7.8397, 1.4490** is the 20% darker color. If you saturate the color by 10%, you get **11.6525, 20.7612, 5.7370**, and if you desaturate by 10%, it is **14.1158, 21.9460, 9.6920**.

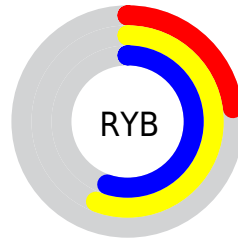
Distribution



Red (24%)

Green (56%)

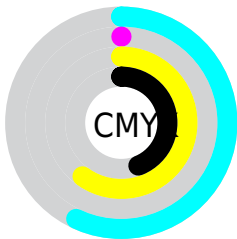
Blue (23%)



Red (23%)

Yellow (56%)

Blue (55%)

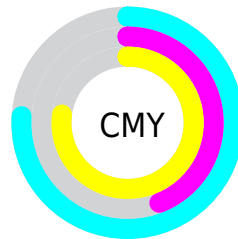


Cyan (57%)

Magenta (0%)

Yellow (60%)

Black (44%)



Cyan (76%)

Magenta (44%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7236, 21.2761, 7.4391 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 12.7236, 21.2761, 7.4391 by changing the saturation by 10% instead.

■ 12.7236, 21.2761,
7.4391

■ 12.7236, 21.2761,
7.4391

202.8122,
258.7422, 181.0311

■ 7.3142, 13.3260,
3.6556

■ 30.4119, 45.5466,
21.3790

■ 3.7074, 7.6534,
1.4384

■ 43.4214, 62.6357,
32.3725

■ 1.5380, 3.8740,
0.1714

■ 59.6951, 83.5400,
46.6064

■ 0.3515, 1.6033,
0.0000

■ 79.5982, 108.6438,
64.4992

■ 0.0000, 0.3598,
0.0000

■ 103.4961,
138.3316, 86.4696

■ 0.0000, 0.0000,
0.0000

■ 131.7542,

172.9876, 112.9360

164.7377,
212.9963, 144.3170

■ 12.7236, 21.2761,
7.4391

■ 12.7236, 21.2761,
7.4391

■ 11.6525, 20.7612,
5.7370

■ 14.1158, 21.9460,
9.6920

■ 10.8755, 20.3863,
4.5373

■ 15.8503, 22.7790,
12.5361

■ 10.3637, 20.1386,
3.7855

■ 17.9483, 23.7859,
16.0094

■ 10.0645, 19.9939,
3.3403

■ 20.4289, 24.9757,
20.1465

■ 10.0575, 19.9905,
3.3285

■ 23.3099, 26.3569,
24.9793

■ 26.6077, 27.9374,
30.5379

■ 30.3381, 29.7246,
36.8504

■ 34.5160, 31.7257,
43.9436

■ 39.1555, 33.9474,
51.8428

Harmonies

Analogous

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



16.7485, 21.2761, 3.8152



12.7236, 21.2761, 7.4391



10.8677, 21.2761, 17.2225

Triad

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



12.7236, 21.2761, 7.4391



18.0237, 21.2761, 73.2040



33.2890, 21.2761, 14.1152

Complementary

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



12.7236, 21.2761, 7.4391



17.3634, 10.6159, 27.5205

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.



33.8187, 21.2761, 30.3403



12.7236, 21.2761, 7.4391



24.1459, 21.2761, 70.8976

Square

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



12.7236, 21.2761, 7.4391



13.4970, 21.2761, 57.9867



30.2059, 21.2761, 52.7035



28.8764, 21.2761, 6.1366

Rectangle

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



12.7236, 21.2761, 7.4391



10.8038, 21.2761, 28.4951



30.2059, 21.2761, 52.7035



33.9554, 21.2761, 18.5467

Sweetspot

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



12.7241, 21.2770, 7.4396



36.6755, 44.3589, 36.6118



21.6005, 24.9044, 7.6719



8.1235, 10.0348, 7.9157



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.



12.7241, 21.2770, 7.4396



19.9787, 36.3403, 9.2246



13.8626, 21.7045, 14.6954



5.3647, 6.0406, 5.7726



8.7636, 17.4104, 2.8987



0.0875, 0.1684, 0.0279

Inverse Universe

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



17.3634, 10.6159, 27.5205



28.9158, 15.7120, 48.0467



15.5806, 9.9821, 14.5518



5.6018, 5.4984, 6.7948



13.4167, 6.4102, 23.5072



0.1332, 0.0638, 0.2250

Previews

White Background



This preview shows how the XYZ color 12.7236, 21.2761, 7.4391 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 12.7236, 21.2761, 7.4391 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 12.7236, 21.2761, 7.4391

Background



This preview shows how black text looks on a background with the XYZ color 12.7236, 21.2761, 7.4391.



This preview shows how white text looks on a background with the XYZ color 12.7236, 21.2761,

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

12.7236, 21.2761, 7.4391

Protanopia

19.2165, 21.0985, 6.4278

Deuteranopia

21.1882, 20.7832, 7.8958



Tritanopia

17.3320, 21.1971, 30.3721

Trichromacy



Original Color

12.7236, 21.2761, 7.4391

Protanomaly

15.7592, 20.4956, 6.7399

Deuteranomaly

16.6049, 20.1133, 7.5645

Tritanomaly

15.0274, 20.8877, 19.1593

Monochromacy



Original Color

12.7236, 21.2761, 7.4391

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.3621, 17.0016, 12.4749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7236, 21.2761, 7.4391 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(62, 144, 58)` looks like.

```
.text, #text, p{  
    color:rgb(62, 144, 58)  
}
```

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(62, 144, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 144, 58) }
```

Border

The CSS property to change the border of an element to XYZ 12.7236, 21.2761, 7.4391 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(62, 144, 58) }
```


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

```
.border{ border-color:rgb(62, 144, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 144, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 144, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 144, 58);  
box-shadow:4px 4px 4px 4px rgb(62, 144,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7236, 21.2761, 7.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 144, 58) }
```

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

```
.background{ background-color: rgb(62, 144,  
58) }
```

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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