

Converting Colors

XYZ(12.2283, 20.1443, 7.3872)

Have a look what the booklet for
XYZ(12.2283, 20.1443, 7.3872)
contains.

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Color

**XYZ(12.2174, 20.1287,
7.3790)**

Conversions

Conversions Part 1

Format	Color
Hex	3F8C3B
RGB	63, 140, 59
RGB Percent	25%, 55%, 23%
CMY	0.7529, 0.4510, 0.7686
CMYK	0.55, 0.00, 0.58, 0.45
HSL	117°, 41%, 39%
HSV	117°, 58%, 55%
XYZ	12.2174, 20.1287, 7.3790
YIQ	107.7430, -19.8910, -41.5150

Conversions

Conversions Part 2

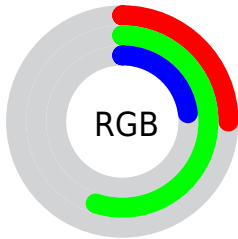
Format	Color
RYB	59, 140, 136
Decimal	4164667
CIELab	51.98, -40.69, 35.67
CIELCh	52, 54.111, 138.761
Yxy	20.1287, 0.3075, 0.5067
Android (android.graphics.Color)	4282354747 (0xFF3F8C3B)
YUV	107.7430, -24.0303, -39.2396
Hunter-Lab	44.8650, -29.9056, 21.6540

Details

The XYZ color **12.2174, 20.1287, 7.3790** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.4521, 10.2564, 25.9246**, and the grayscale version is **14.2514, 14.9936, 16.3281**.

A 20% lighter version of the original color is **29.3882, 43.4696, 21.3096**, and **3.6162, 7.1623, 1.4216** is the 20% darker color. If you saturate the color by 10%, you get **11.1524, 19.6167, 5.6815**, and if you desaturate by 10%, it is **13.5863, 20.7873, 9.6001**.

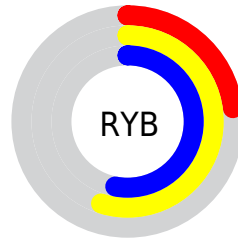
Distribution



Red (25%)

Green (55%)

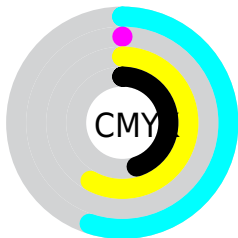
Blue (23%)



Red (23%)

Yellow (55%)

Blue (53%)

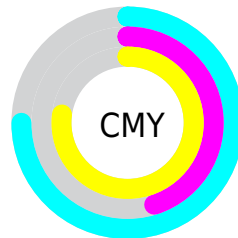


Cyan (55%)

Magenta (0%)

Yellow (58%)

Black (45%)



Cyan (75%)


Magenta (45%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2174, 20.1287, 7.3790 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 12.2174, 20.1287, 7.3790 by changing the saturation by 10% instead.


 12.2174, 20.1287,
7.3790


 12.2174, 20.1287,
7.3790


199.5799,
252.6110, 180.5255


 6.9652, 12.4886,
3.6182


 29.5039, 43.6329,
21.2574


 3.4865, 7.0774,
1.4183


 42.2688, 60.2657,
32.2121

 1.4159, 3.5105,
0.1559

 58.2687, 80.6650,
46.4019

 0.2675, 1.4037,
0.0000

 77.8689, 105.2150,
64.2452

 0.0000, 0.2195,
0.0000

 101.4348,
134.3003, 86.1607

 0.0000, 0.0000,
0.0000

 129.3317,

168.3051, 112.5669

161.9249,
207.6139, 143.8823

■ 12.2174, 20.1287,
7.3790

■ 12.2174, 20.1287,
7.3790

■ 11.1524, 19.6167,
5.6815

■ 13.5863, 20.7873,
9.6001

■ 10.3668, 19.2379,
4.4634

■ 15.2784, 21.5997,
12.3814

■ 9.8347, 18.9805,
3.6756

■ 17.3129, 22.5759,
15.7579

■ 9.5171, 18.8266,
3.2185

■ 19.7073, 23.7242,
19.7613

■ 9.4650, 18.8016,
3.1302

■ 22.4777, 25.0521,
24.4211

■ 25.6395, 26.5671,
29.7649

■ 29.2070, 28.2759,
35.8187

■ 33.1938, 30.1850,
42.6072

■ 37.6130, 32.3008,
50.1539

Harmonies

Analogous

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



15.9215, 20.1287, 3.9085



12.2174, 20.1287, 7.3790



10.5055, 20.1287, 16.5169

Triad

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



12.2174, 20.1287, 7.3790



17.1394, 20.1287, 67.2034



31.0242, 20.1287, 13.5322

Complementary

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



12.2174, 20.1287, 7.3790



16.4521, 10.2564, 25.9246

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.



31.5236, 20.1287, 28.3812



12.2174, 20.1287, 7.3790



22.7469, 20.1287, 65.0517

Square

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



12.2174, 20.1287, 7.3790



12.9610, 20.1287, 53.5819



28.2594, 20.1287, 48.6331



27.0034, 20.1287, 6.0986

Rectangle

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



12.2174, 20.1287, 7.3790



10.4522, 20.1287, 26.8725



28.2594, 20.1287, 48.6331



31.6348, 20.1287, 17.6111

Sweetspot

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



12.2179, 20.1295, 7.3794



34.9707, 41.9341, 35.2199



20.4027, 23.4865, 7.5960



7.8779, 9.5762, 7.8133



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.2179, 20.1295, 7.3794



19.2558, 34.3884, 9.3802



13.2685, 20.5213, 14.1963



4.9932, 5.6192, 5.3738



8.4148, 16.7080, 2.7815



0.0585, 0.1123, 0.0186

Inverse Universe

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



16.4521, 10.2564, 25.9246



27.4191, 15.2794, 45.2470



14.8558, 9.6943, 14.0661



5.2099, 5.1166, 6.3189



12.8184, 6.1223, 22.5518



0.0886, 0.0425, 0.1500

Previews

White Background



This preview shows how the XYZ color 12.2174, 20.1287, 7.3790 looks on a white background.

Color Contrast Check

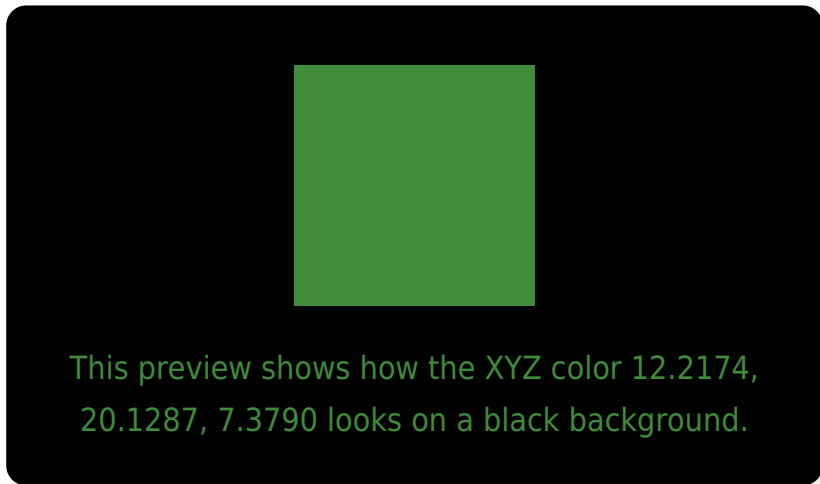
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2174, 20.1287, 7.3790

Background



This preview shows how black text looks on a background with the XYZ color 12.2174, 20.1287, 7.3790.



This preview shows how white text looks on a background with the XYZ color 12.2174, 20.1287,

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

12.2174, 20.1287, 7.3790

Protanopia

18.0653, 19.7506, 6.3501

Deuteranopia

20.0779, 19.6835, 7.7421



Tritanopia

16.3921, 19.9349, 28.5751

Trichromacy



Original Color

12.2174, 20.1287, 7.3790

Protanomaly

14.9945, 19.3010, 6.6766

Deuteranomaly

15.8386, 18.9481, 7.5252

Tritanomaly

14.2738, 19.6759, 18.3748

Monochromacy



Original Color

12.2174, 20.1287, 7.3790

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

12.9756, 16.4464, 12.1635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2174, 20.1287, 7.3790 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(63, 140, 59)` looks like.

```
.text, #text, p{  
    color:rgb(63, 140, 59)  
}
```

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(63, 140, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 140, 59) }
```

Border

The CSS property to change the border of an element to XYZ 12.2174, 20.1287, 7.3790 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(63, 140, 59) }
```


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

```
.border{ border-color:rgb(63, 140, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 140, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 140, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 140, 59);  
box-shadow:4px 4px 4px 4px rgb(63, 140,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2174, 20.1287, 7.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 140, 59) }
```

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

```
.background{ background-color: rgb(63, 140,  
59) }
```

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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