

Converting Colors

XYZ(12.0455, 20.3415, 3.6393)

Have a look what the booklet for
XYZ(12.0455, 20.3415, 3.6393)
contains.

XYZ(12.0455, 20.3415, 3.6393)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.0455, 20.3415,
3.6393)**

Conversions

Conversions Part 1

Format	Color
Hex	458D0C
RGB	69, 141, 12
RGB Percent	27%, 55%, 5%
CMY	0.7294, 0.4470, 0.9529
CMYK	0.51, 0.00, 0.91, 0.45
HSL	93°, 84%, 30%
HSV	93°, 91%, 55%
XYZ	12.0455, 20.3415, 3.6393
YIQ	104.7660, -1.5030, -55.3830

Conversions

Conversions Part 2

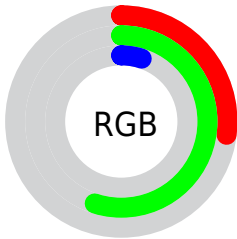
Format	Color
RYB	12, 141, 84
Decimal	4558092
CIELab	52.22, -42.91, 53.20
CIELCh	52, 68.345, 128.888
Yxy	20.3415, 0.3344, 0.5646
Android (android.graphics.Color)	4282748172 (0xFF458D0C)
YUV	104.7660, -45.7336, -31.3668
Hunter-Lab	45.1016, -31.2548, 26.7869

Details

The XYZ color **12.0455, 20.3415, 3.6393** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.5969, 4.0718, 25.5332**, and the grayscale version is **13.4848, 14.1870, 15.4497**.

A 20% lighter version of the original color is **29.1752, 43.8712, 13.2336**, and **3.6562, 7.3123, 1.2187** is the 20% darker color. If you saturate the color by 10%, you get **11.5305, 20.0843, 3.2689**, and if you desaturate by 10%, it is **12.7631, 20.6981, 4.3062**.

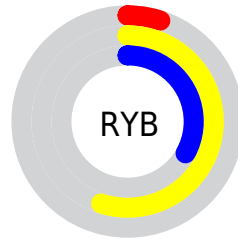
Distribution



Red (27%)

Green (55%)

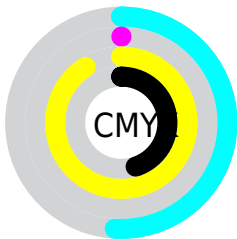
Blue (5%)



Red (5%)

Yellow (55%)

Blue (33%)

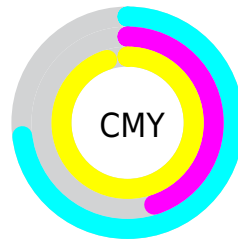


Cyan (51%)

Magenta (0%)

Yellow (91%)

Black (45%)



Cyan (73%)

Magenta (45%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0455, 20.3415, 3.6393 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 12.0455, 20.3415, 3.6393 by changing the saturation by 10% instead.

■ 12.0455, 20.3415,
3.6393

■ 12.0455, 20.3415,
3.6393

198.4700,
253.7579, 144.1276

■ 6.8471, 12.6435,
1.4296

■ 29.1941, 43.9890,
13.1689

■ 3.4121, 7.1835,
0.1647

■ 41.8750, 60.7073,
21.3260

■ 1.3753, 3.5771,
0.0000

■ 57.7807, 81.2012,
32.3026

■ 0.2385, 1.4400,
0.0000

■ 77.2767, 105.8550,
46.5173


■ 0.0000, 0.2459,
0.0000


■ 100.7283,
135.0532, 64.3886


■ 0.0000, 0.0000,
0.0000


■ 128.5008,


169.1802, 86.3350


 160.9596,
208.6203, 112.7752


 12.0455, 20.3415,
3.6393


 12.0455, 20.3415,
3.6393


 11.5305, 20.0843,
3.2689

 12.7631, 20.6981,
4.3062

 13.6348, 21.1244,
5.3852

 14.6735, 21.6268,
6.9295

 15.8904, 22.2099,
8.9844

 17.2953, 22.8780,
11.5895

■ 18.8972, 23.6348,
14.7807

■ 20.7046, 24.4841,
18.5907

■ 22.7254, 25.4292,
23.0500

■ 24.9668, 26.4734,
28.1868

Harmonies

Analogous

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



17.3250, 20.3415, 1.7113



12.0455, 20.3415, 3.6393



9.2876, 20.3415, 10.9494

Triad

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



12.0455, 20.3415, 3.6393



14.8734, 20.3415, 81.2162



35.9457, 20.3415, 16.7028

Complementary

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



12.0455, 20.3415, 3.6393



8.5969, 4.0718, 25.5332

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.



34.8339, 20.3415, 39.1685



12.0455, 20.3415, 3.6393



21.4925, 20.3415, 86.3820

Square

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



12.0455, 20.3415, 3.6393



10.6246, 20.3415, 56.3038



29.0923, 20.3415, 67.8414



31.8401, 20.3415, 5.6768

Rectangle

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



12.0455, 20.3415, 3.6393



8.7450, 20.3415, 21.4075



29.0923, 20.3415, 67.8414



36.1871, 20.3415, 22.9062

Sweetspot

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



12.0460, 20.3424, 3.6397



35.0591, 42.8979, 28.9968



14.1413, 11.8694, 1.8939



7.6243, 9.4843, 6.0475



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.



12.0460, 20.3424, 3.6397



20.4608, 35.8695, 5.8451



9.7900, 19.1740, 3.7772



5.5549, 6.1387, 5.7815



10.5309, 18.3215, 2.9814



0.1253, 0.1879, 0.0297

Inverse Universe

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



8.5969, 4.0718, 25.5332



14.1444, 6.2971, 45.5978



15.4584, 7.6629, 23.4214



5.3994, 5.3941, 6.7853



7.3199, 3.2672, 23.2219



0.0954, 0.0443, 0.2232

Previews

White Background



This preview shows how the XYZ color 12.0455, 20.3415, 3.6393 looks on a white background.

Color Contrast Check

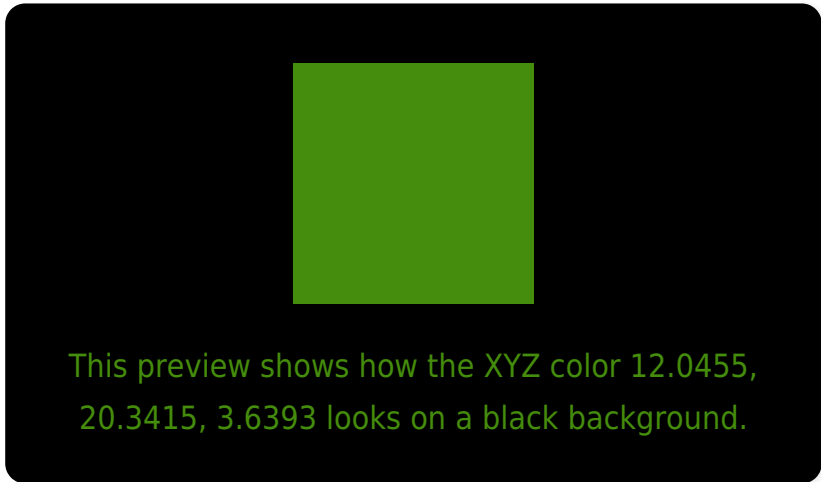
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0455, 20.3415, 3.6393

Background



This preview shows how black text looks on a background with the XYZ color 12.0455, 20.3415, 3.6393.



This preview shows how white text looks on a background with the XYZ color 12.0455, 20.3415,

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

12.0455, 20.3415, 3.6393

Protanopia

18.0229, 19.9908, 2.9087

Deuteranopia

20.4361, 20.1237, 4.1035



Tritanopia

17.0233, 20.2603, 28.6046

Trichromacy



Original Color

12.0455, 20.3415, 3.6393

Protanomaly

14.9440, 19.5514, 3.1010

Deuteranomaly

15.9379, 19.2727, 3.7441

Tritanomaly

14.1229, 19.9035, 13.9239

Monochromacy



Original Color

12.0455, 20.3415, 3.6393

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.0294, 15.6871, 8.3551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0455, 20.3415, 3.6393 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(69, 141, 12)` looks like.

```
.text, #text, p{  
    color:rgb(69, 141, 12)  
}
```

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(69, 141, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 141, 12) }
```

Border

The CSS property to change the border of an element to XYZ 12.0455, 20.3415, 3.6393 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(69, 141, 12) }
```


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

```
.border{ border-color:rgb(69, 141, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 141, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 141, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 141, 12);  
box-shadow:4px 4px 4px 4px rgb(69, 141,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0455, 20.3415, 3.6393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 141, 12) }
```

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

```
.background{ background-color: rgb(69, 141,  
12) }
```

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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