

Converting Colors

XYZ(11.9874, 20.7165, 3.3669)

Have a look what the booklet for
XYZ(11.9874, 20.7165, 3.3669)
contains.

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Color

**XYZ(12.0024, 20.7687,
3.3762)**

Conversions

Conversions Part 1

Format	Color
Hex	418F00
RGB	65, 143, 0
RGB Percent	25%, 56%, 0%
CMY	0.7451, 0.4392, 1.0000
CMYK	0.55, 0.00, 1.00, 0.44
HSL	93°, 100%, 28%
HSV	93°, 100%, 56%
XYZ	12.0024, 20.7687, 3.3762
YIQ	103.3760, -0.5850, -61.0090

Conversions

Conversions Part 2

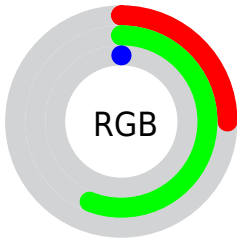
Format	Color
RYB	0, 143, 78
Decimal	4296448
CIELab	52.70, -45.25, 55.61
CIELCh	53, 71.693, 129.137
Yxy	20.7687, 0.3320, 0.5746
Android (android.graphics.Color)	4282486528 (0xFF418F00)
YUV	103.3760, -50.9644, -33.6558
Hunter-Lab	45.5727, -32.7410, 27.5085

Details

The XYZ color **12.0024, 20.7687, 3.3762** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.1014, 3.6039, 26.2563**, and the grayscale version is **13.1239, 13.8074, 15.0362**.

A 20% lighter version of the original color is **29.2635, 44.9431, 12.6014**, and **3.8271, 7.6543, 1.2757** is the 20% darker color. If you saturate the color by 10%, you get **12.0024, 20.7693, 3.3763**, and if you desaturate by 10%, it is **12.6368, 21.0870, 3.8308**.

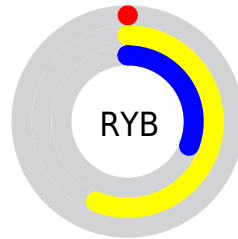
Distribution



Red (25%)

Green (56%)

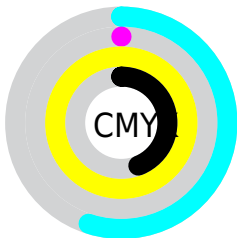
Blue (0%)



Red (0%)

Yellow (56%)

Blue (31%)

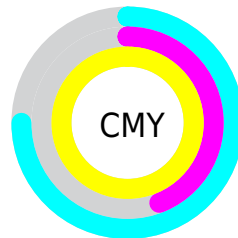


Cyan (55%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (75%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0024, 20.7687, 3.3762 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 12.0024, 20.7687, 3.3762 by changing the saturation by 10% instead.

■ 12.0024, 20.7687,
3.3762

■ 12.0024, 20.7687,
3.3762

198.1908,
256.0467, 141.0167

■ 6.8175, 12.9550,
1.2898

■ 29.1163, 44.7023,
12.5434

■ 3.3936, 7.3976,
0.0534

■ 41.7760, 61.5910,
20.4613

■ 1.3651, 3.7120,
0.0000

■ 57.6581, 82.2735,
31.1601

■ 0.2312, 1.5138,
0.0000

■ 77.1278, 107.1341,
45.0584


■ 0.0000, 0.2984,
0.0000


■ 100.5506,
136.5574, 62.5746


■ 0.0000, 0.0000,
0.0000


■ 128.2918,


170.9277, 84.1274


 160.7167,
210.6293, 110.1352


 12.0024, 20.7687,
3.3762


 12.0024, 20.7687,
3.3762


 12.0024, 20.7693,
3.3763

 12.6368, 21.0870,
3.8308

 13.3992, 21.4643,
4.5743

 14.3200, 21.9139,
5.7522

 15.4120, 22.4411,
7.4181

 16.6862, 23.0506,
9.6177

■ 18.1524, 23.7466,
12.3916

■ 19.8199, 24.5331,
15.7763

■ 21.6970, 25.4135,
19.8052

■ 23.7916, 26.3914,
24.5096

Harmonies

Analogous

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



17.5494, 20.7687, 1.4732



12.0024, 20.7687, 3.3762



9.1443, 20.7687, 10.9153

Triad

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



12.0024, 20.7687, 3.3762



15.0613, 20.7687, 86.7824



37.5505, 20.7687, 16.6992

Complementary

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



12.0024, 20.7687, 3.3762



8.1014, 3.6039, 26.2563

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.



36.3986, 20.7687, 40.6169



12.0024, 20.7687, 3.3762



22.1057, 20.7687, 92.2140

Square

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



12.0024, 20.7687, 3.3762



10.5764, 20.7687, 59.6968



30.2439, 20.7687, 71.7591



33.0809, 20.7687, 5.3359

Rectangle

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



12.0024, 20.7687, 3.3762



8.5939, 20.7687, 22.0010



30.2439, 20.7687, 71.7591



37.8280, 20.7687, 23.2374

Sweetspot

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



12.0029, 20.7696, 3.3767



35.2899, 43.8376, 27.8281



13.9316, 11.0466, 1.3983



7.8260, 9.9273, 5.8321



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.



12.0029, 20.7696, 3.3767



21.3009, 37.0938, 6.0371



9.8492, 19.6563, 3.4122



5.5611, 6.1419, 5.7818



10.6356, 18.3754, 2.9863



0.1266, 0.1885, 0.0297

Inverse Universe

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



8.1014, 3.6039, 26.2563



14.3072, 6.3500, 47.0096



15.9329, 7.6820, 24.7776



5.3930, 5.3908, 6.7850



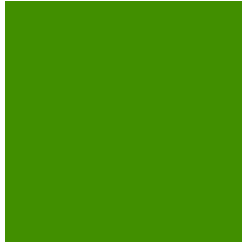
7.1867, 3.1985, 23.2157



0.0941, 0.0437, 0.2231

Previews

White Background



This preview shows how the XYZ color 12.0024, 20.7687, 3.3762 looks on a white background.

Color Contrast Check

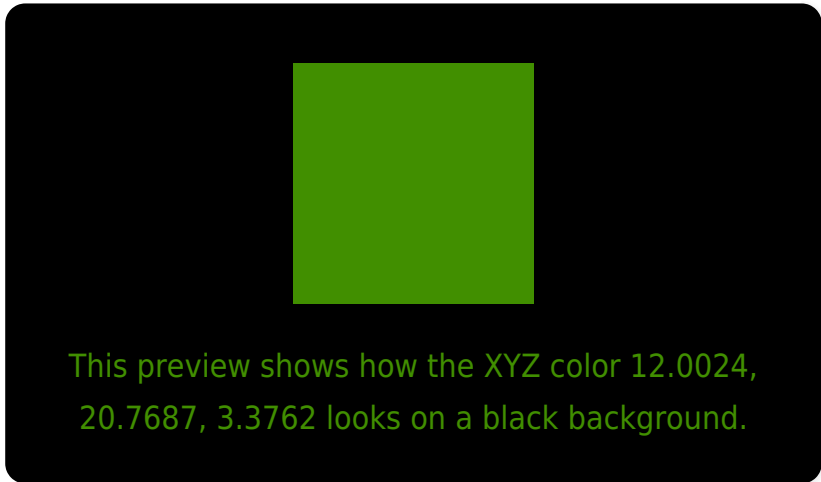
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0024, 20.7687, 3.3762

Background



This preview shows how black text looks on a background with the XYZ color 12.0024, 20.7687, 3.3762.



This preview shows how white text looks on a background with the XYZ color 12.0024, 20.7687,

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

12.0024, 20.7687, 3.3762

Protanopia

18.3181, 20.3300, 2.9586

Deuteranopia

20.7358, 20.4555, 4.0837



Tritanopia

17.2593, 20.7671, 29.4843

Trichromacy



Original Color

12.0024, 20.7687, 3.3762

Protanomaly

15.0613, 20.0132, 3.0691

Deuteranomaly

16.1489, 19.7704, 3.5810

Tritanomaly

14.0193, 20.2837, 13.3015

Monochromacy



Original Color

12.0024, 20.7687, 3.3762

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

11.5816, 15.4741, 7.5306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0024, 20.7687, 3.3762 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(65, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(65, 143, 0)  
}
```

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(65, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 143, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.0024, 20.7687, 3.3762 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(65, 143, 0) }
```


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

```
.border{ border-color:rgb(65, 143, 0) }
```

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

Here you see how a box with a 4 pixel rgb(65, 143, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(65, 143, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0024, 20.7687, 3.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 143, 0) }
```

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

```
.background{ background-color: rgb(65, 143,  
0) }
```

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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