

Converting Colors

XYZ(21.2408, 30.3790, 5.3603)

Have a look what the booklet for
XYZ(21.2408, 30.3790, 5.3603)
contains.

XYZ(21.2408, 30.3790, 5.3603)	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(21.2408, 30.3790,
5.3603)**

Conversions

Conversions Part 1

Format	Color
Hex	7AA313
RGB	122, 163, 19
RGB Percent	48%, 64%, 7%
CMY	0.5216, 0.3608, 0.9255
CMYK	0.25, 0.00, 0.88, 0.36
HSL	77°, 79%, 36%
HSV	77°, 88%, 64%
XYZ	21.2408, 30.3790, 5.3603
YIQ	134.3250, 21.7880, -53.4760

Conversions

Conversions Part 2

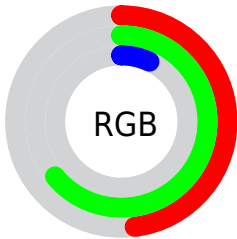
Format	Color
RYB	19, 163, 60
Decimal	8037139
CIELab	61.98, -32.70, 61.15
CIELCh	62, 69.341, 118.135
Yxy	30.3790, 0.3728, 0.5332
Android (android.graphics.Color)	4286227219 (0xFF7AA313)
YUV	134.3250, -56.8552, -10.8090
Hunter-Lab	55.1171, -27.6655, 32.8159

Details

The XYZ color **21.2408, 30.3790, 5.3603** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.7085, 4.0716, 34.9790**, and the grayscale version is **22.9781, 24.1748, 26.3263**.

A 20% lighter version of the original color is **44.9167, 60.2019, 17.0373**, and **7.9992, 12.5622, 2.0031** is the 20% darker color. If you saturate the color by 10%, you get **20.4970, 30.0084, 4.7897**, and if you desaturate by 10%, it is **22.1049, 30.8035, 6.3949**.

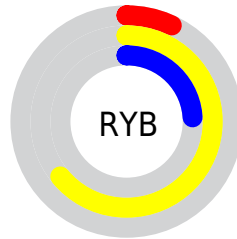
Distribution



Red (48%)

Green (64%)

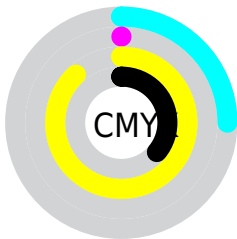
Blue (7%)



Red (7%)

Yellow (64%)

Blue (24%)

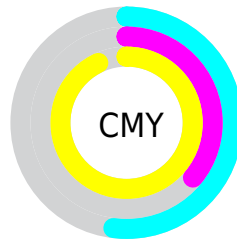


Cyan (25%)

Magenta (0%)

Yellow (88%)

Black (36%)



Cyan (52%)

Magenta (36%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2408, 30.3790, 5.3603 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 21.2408, 30.3790, 5.3603 by changing the saturation by 10% instead.

■ 21.2408, 30.3790,
5.3603

■ 21.2408, 30.3790,
5.3603

251.2630,
303.6671, 162.3206

■ 13.4136, 20.1264,
2.3978

■ 44.9762, 60.2610,
17.0421

■ 7.7929, 12.4870,
0.7852

■ 61.6151, 80.6593,
26.5984

■ 4.0134, 7.0762,
0.0000

■ 81.9220, 105.2082,
39.1898

■ 1.7097, 3.5098,
0.0000

■ 106.2622,
134.2923, 55.2347

■ 0.4623, 1.4033,
0.0000

■ 135.0010,
168.2958, 75.1517

■ 0.0000, 0.2192,
0.0000

■ 168.5039,

■ 0.0000, 0.0000,

207.6031, 99.3593

0.0000

207.1361,
252.5988, 128.2761

■ 21.2408, 30.3790,
5.3603

■ 21.2408, 30.3790,
5.3603

■ 20.4970, 30.0084,
4.7897

■ 22.1049, 30.8035,
6.3949

■ 20.3786, 29.9491,
4.7067

■ 23.1129, 31.2881,
8.0239

■ 24.2797, 31.8400,
10.3205

■ 25.6173, 32.4639,
13.3468

■ 27.1367, 33.1645,
17.1578

■ 28.8478, 33.9455,
21.8032

■ 30.7595, 34.8107,
27.3287

■ 32.8802, 35.7634,
33.7766

■ 35.2179, 36.8070,
41.1865

Harmonies

Analogous

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



29.4598, 30.3790, 3.7626



21.2408, 30.3790, 5.3603



16.2011, 30.3790, 12.7479

Triad

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



21.2408, 30.3790, 5.3603



20.4305, 30.3790, 98.3623



50.6708, 30.3790, 34.7713

Complementary

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



21.2408, 30.3790, 5.3603



8.7085, 4.0716, 34.9790

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.



46.8658, 30.3790, 68.1199



21.2408, 30.3790, 5.3603



28.2966, 30.3790, 115.1272

Square

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



21.2408, 30.3790, 5.3603



15.8087, 30.3790, 63.5561



38.1474, 30.3790, 101.8469



47.6736, 30.3790, 14.3376

Rectangle

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



21.2408, 30.3790, 5.3603



14.6791, 30.3790, 23.6313



38.1474, 30.3790, 101.8469



50.1311, 30.3790, 44.7556

Sweetspot

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



21.2415, 30.3804, 5.3609



51.9342, 60.9145, 39.8131



16.8285, 11.0456, 1.8615



11.4312, 13.5752, 8.2913



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.2415, 30.3804, 5.3609



36.2893, 53.5279, 8.4193



14.5412, 26.9262, 5.0474



7.4519, 8.1355, 7.5576



15.8832, 23.2986, 3.6599



0.3764, 0.5116, 0.0789

Inverse Universe

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



8.7085, 4.0716, 34.9790



13.7194, 5.7049, 62.4342



16.3295, 8.0004, 35.3357



6.8811, 6.9531, 8.8825



6.0680, 2.5346, 27.0992



0.1716, 0.0760, 0.5715

Previews

White Background



This preview shows how the XYZ color 21.2408, 30.3790, 5.3603 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 21.2408, 30.3790, 5.3603 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2408, 30.3790, 5.3603

Background



This preview shows how black text looks on a background with the XYZ color 21.2408, 30.3790, 5.3603.



This preview shows how white text looks on a background with the XYZ color 21.2408, 30.3790,

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

21.2408, 30.3790, 5.3603

Protanopia

27.1341, 30.1692, 4.8086

Deuteranopia

30.7154, 30.1587, 5.7924



Tritanopia

28.2456, 30.4552, 39.5117

Trichromacy



Original Color

21.2408, 30.3790, 5.3603

Protanomaly

24.5774, 30.0594, 4.9969

Deuteranomaly

26.4380, 29.7939, 5.5198

Tritanomaly

24.2734, 29.8302, 19.5174

Monochromacy



Original Color

21.2408, 30.3790, 5.3603

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.2631, 25.7693, 13.9785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2408, 30.3790, 5.3603 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(122, 163, 19)` looks like.

```
.text, #text, p{  
    color:rgb(122, 163, 19)  
}
```

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(122, 163, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 163, 19) }
```

Border

The CSS property to change the border of an element to XYZ 21.2408, 30.3790, 5.3603 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(122, 163, 19) }
```


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

```
.border{ border-color:rgb(122, 163, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 163, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 163, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 163, 19);  
box-shadow:4px 4px 4px 4px rgb(122, 163,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2408, 30.3790, 5.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 163, 19) }
```

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

```
.background{ background-color: rgb(122,  
163, 19) }
```

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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