

Converting Colors

XYZ(22.6437, 30.5931, 16.5160)

Have a look what the booklet for
XYZ(22.6437, 30.5931, 16.5160)
contains.

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Color

**XYZ(22.6437, 30.5931,
16.5160)**

Conversions

Conversions Part 1

Format	Color
Hex	76A263
RGB	118, 162, 99
RGB Percent	46%, 64%, 39%
CMY	0.5373, 0.3647, 0.6118
CMYK	0.27, 0.00, 0.39, 0.36
HSL	102°, 25%, 51%
HSV	102°, 39%, 64%
XYZ	22.6437, 30.5931, 16.5160
YIQ	141.6620, -6.0010, -28.9210

Conversions

Conversions Part 2

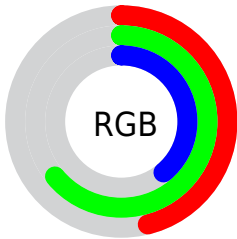
Format	Color
RYB	99, 162, 143
Decimal	7774819
CIELab	62.16, -26.95, 28.10
CIELCh	62, 38.933, 133.800
Yxy	30.5931, 0.3246, 0.4386
Android (android.graphics.Color)	4285964899 (0xFF76A263)
YUV	141.6620, -21.0324, -20.7516
Hunter-Lab	55.3110, -23.7185, 21.0136

Details

The XYZ color **22.6437, 30.5931, 16.5160** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.3125, 17.3729, 36.3614**, and the grayscale version is **25.6604, 26.9968, 29.3995**.

A 20% lighter version of the original color is **47.1934, 60.5180, 38.4719**, and **8.4882, 12.5842, 5.1136** is the 20% darker color. If you saturate the color by 10%, you get **20.5003, 29.5698, 12.7705**, and if you desaturate by 10%, it is **25.1284, 31.7763, 21.0898**.

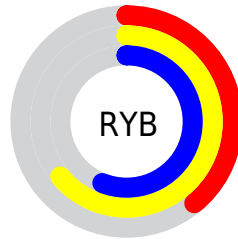
Distribution



Red (46%)

Green (64%)

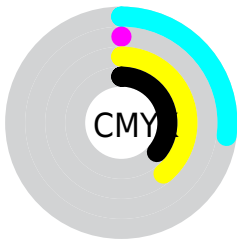
Blue (39%)



Red (39%)

Yellow (64%)

Blue (56%)

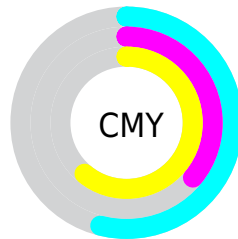


Cyan (27%)

Magenta (0%)

Yellow (39%)

Black (36%)



Cyan (54%)

Magenta (36%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6437, 30.5931, 16.5160 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 22.6437, 30.5931, 16.5160 by changing the saturation by 10% instead.

■ 22.6437, 30.5931,
16.5160

■ 22.6437, 30.5931,
16.5160

258.4593,
304.6593, 244.3164

■ 14.4499, 20.2892,
9.7317

■ 47.2786, 60.5989,
38.2709

■ 8.5180, 12.6054,
5.1182

■ 64.4504, 81.0695,
54.0786

■ 4.4827, 7.1574,
2.2568

■ 85.3455, 105.6979,
73.7312

■ 1.9787, 3.5607,
0.7069

■ 110.3294,
134.8684, 97.6472

■ 0.6220, 1.4310,
0.0000

139.7674,
168.9654, 126.2452

■ 0.0000, 0.2394,
0.0000

174.0248,

■ 0.0000, 0.0000,

208.3733, 159.9437

0.0000

213.4670,
253.4765, 199.1612

■ 22.6437, 30.5931,
16.5160

■ 22.6437, 30.5931,
16.5160

■ 20.5003, 29.5698,
12.7705

■ 25.1284, 31.7763,
21.0898

■ 18.6801, 28.6952,
9.8019

■ 27.9668, 33.1220,
26.5352

■ 17.1665, 27.9631,
7.5558


■ 31.1736, 34.6377,
32.8952


■ 15.9406, 27.3649,
5.9704


■ 34.7617, 36.3292,
40.2090


■ 14.9809, 26.8913,
4.9732


■ 38.7437, 38.2023,
48.5138


 14.2517, 26.5268,
4.4207

 43.1312, 40.2622,
57.8445

 14.1805, 26.4913,
4.3659

 47.9356, 42.5140,
68.2347

 53.1678, 44.9625,
79.7161

 58.8382, 47.6126,
92.3194

Harmonies

Analogous

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



26.7389, 30.5931, 12.4040



22.6437, 30.5931, 16.5160



20.4318, 30.5931, 25.8877

Triad

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



22.6437, 30.5931, 16.5160



26.3550, 30.5931, 69.4378



40.0074, 30.5931, 26.8878

Complementary

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



22.6437, 30.5931, 16.5160



22.3125, 17.3729, 36.3614

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.



39.8723, 30.5931, 42.0321



22.6437, 30.5931, 16.5160



31.5493, 30.5931, 69.9499

Square

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



22.6437, 30.5931, 16.5160



22.3919, 30.5931, 57.5553



36.6281, 30.5931, 58.7955



36.9775, 30.5931, 17.0576

Rectangle

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



22.6437, 30.5931, 16.5160



20.1344, 30.5931, 35.2608



36.6281, 30.5931, 58.7955



40.3409, 30.5931, 31.4338

Sweetspot

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



22.6445, 30.5944, 16.5167



54.5711, 61.9256, 55.6716



26.8342, 27.9445, 15.7844



12.0947, 13.8318, 12.1819



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.



22.6445, 30.5944, 16.5167



37.5753, 53.8519, 23.7943



20.9114, 29.6326, 19.5275



7.1771, 7.9938, 7.5448



11.2104, 20.8897, 3.4413



0.2813, 0.4625, 0.0744

Inverse Universe

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



22.3125, 17.3729, 36.3614



36.8624, 26.2655, 65.1830



24.9047, 18.8224, 31.3664



7.1554, 7.0945, 8.8953



10.5630, 4.8519, 27.3096



0.2662, 0.1248, 0.5759

Previews

White Background



This preview shows how the XYZ color 22.6437, 30.5931, 16.5160 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 22.6437, 30.5931, 16.5160 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 22.6437, 30.5931, 16.5160

Background



This preview shows how black text looks on a background with the XYZ color 22.6437, 30.5931, 16.5160.



This preview shows how white text looks on a background with the XYZ color 22.6437, 30.5931,

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

22.6437, 30.5931, 16.5160

Protanopia

28.0310, 30.4074, 14.9815

Deuteranopia

30.8610, 30.2079, 17.0361



Tritanopia

27.4918, 30.5315, 40.5206

Trichromacy



Original Color

22.6437, 30.5931, 16.5160

Protanomaly

25.6995, 30.1588, 15.5330

Deuteranomaly

27.2092, 29.9401, 16.9153

Tritanomaly

25.3969, 30.4269, 30.1256

Monochromacy



Original Color

22.6437, 30.5931, 16.5160

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.1862, 27.9878, 23.8661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6437, 30.5931, 16.5160 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(118, 162, 99)` looks like.

```
.text, #text, p{  
    color:rgb(118, 162, 99)  
}
```

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(118, 162, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 162, 99) }
```

Border

The CSS property to change the border of an element to XYZ 22.6437, 30.5931, 16.5160 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(118, 162, 99) }
```


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

```
.border{ border-color:rgb(118, 162, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 162, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 162, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 162, 99);  
box-shadow:4px 4px 4px 4px rgb(118, 162,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6437, 30.5931, 16.5160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 162, 99) }
```

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

```
.background{ background-color: rgb(118,  
162, 99) }
```

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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