

Converting Colors

XYZ(22.5796, 30.3537, 12.3182)

Have a look what the booklet for
XYZ(22.5796, 30.3537, 12.3182)
contains.

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Color

**XYZ(22.6503, 30.4289,
12.2690)**

Conversions

Conversions Part 1

Format	Color
Hex	7DA150
RGB	125, 161, 80
RGB Percent	49%, 63%, 31%
CMY	0.5098, 0.3686, 0.6863
CMYK	0.22, 0.00, 0.50, 0.37
HSL	87°, 34%, 47%
HSV	87°, 50%, 63%
XYZ	22.6503, 30.4289, 12.2690
YIQ	141.0020, 4.5450, -32.8230

Conversions

Conversions Part 2

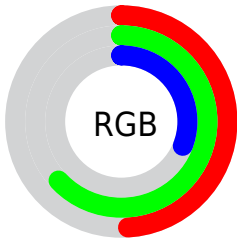
Format	Color
RYB	80, 161, 116
Decimal	8233296
CIELab	62.02, -26.31, 37.92
CIELCh	62, 46.156, 124.757
Yxy	30.4289, 0.3466, 0.4656
Android (android.graphics.Color)	4286423376 (0xFF7DA150)
YUV	141.0020, -30.0740, -14.0338
Hunter-Lab	55.1624, -23.2401, 25.4266

Details

The XYZ color **22.6503, 30.4289, 12.2690** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **16.5054, 12.0244, 35.1709**, and the grayscale version is **25.4319, 26.7563, 29.1376**.

A 20% lighter version of the original color is **47.2430, 60.3341, 30.6284**, and **8.4636, 12.4527, 3.2539** is the 20% darker color. If you saturate the color by 10%, you get **21.1182, 29.7007, 9.4556**, and if you desaturate by 10%, it is **24.4018, 31.2556, 15.8380**.

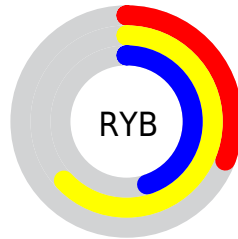
Distribution



Red (49%)

Green (63%)

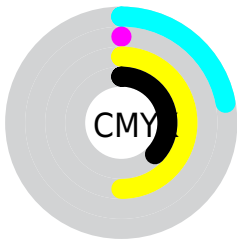
Blue (31%)



Red (31%)

Yellow (63%)

Blue (45%)

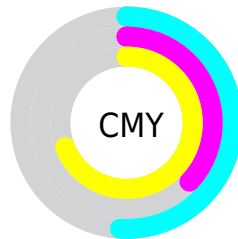


Cyan (22%)

Magenta (0%)

Yellow (50%)

Black (37%)



Cyan (51%)

Magenta (37%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6503, 30.4289, 12.2690 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 22.6503, 30.4289, 12.2690 by changing the saturation by 10% instead.

■ 22.6503, 30.4289,
12.2690

■ 22.6503, 30.4289,
12.2690

258.4928,
303.8986, 217.2188

■ 14.4548, 20.1644,
6.8024

■ 47.2894, 60.3398,
30.6558

■ 8.5215, 12.5146,
3.2623

■ 64.4636, 80.7550,
44.4131

■ 4.4850, 7.0951,
1.2301

■ 85.3615, 105.3224,
61.7709

■ 1.9800, 3.5217,
0.0034

■ 110.3484,
134.4266, 83.1480

■ 0.6227, 1.4098,
0.0000

■ 139.7896,
168.4520, 108.9628

■ 0.0000, 0.2239,
0.0000

174.0505,

■ 0.0000, 0.0000,

207.7828, 139.6338

0.0000

213.4964,
252.8035, 175.5797

■ 22.6503, 30.4289,
12.2690

■ 22.6503, 30.4289,
12.2690

■ 21.1182, 29.7007,
9.4556

■ 24.4018, 31.2556,
15.8380

■ 19.7912, 29.0621,
7.3413

■ 26.3812, 32.1813,
20.2098

■ 18.6568, 28.5088,
5.8647

■ 28.5994, 33.2116,
25.4301

■ 17.6995, 28.0344,
4.9530

■ 31.0657, 34.3503,
31.5406

■ 16.9078, 27.6367,
4.4433

■ 33.7889, 35.6012,
38.5803

■ 36.7772, 36.9676,
46.5857

■ 40.0386, 38.4530,
55.5916

■ 43.5807, 40.0605,
65.6308

■ 47.4106, 41.7930,
76.7348

Harmonies

Analogous

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



27.9454, 30.4289, 9.4419



22.6503, 30.4289, 12.2690



19.4325, 30.4289, 20.6122

Triad

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



22.6503, 30.4289, 12.2690



24.1348, 30.4289, 74.5431



42.4860, 30.4289, 30.3835

Complementary

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



22.6503, 30.4289, 12.2690



16.5054, 12.0244, 35.1709

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.



41.0852, 30.4289, 49.9079



22.6503, 30.4289, 12.2690



29.9205, 30.4289, 80.0642

Square

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



22.6503, 30.4289, 12.2690



20.2000, 30.4289, 56.6255



36.2556, 30.4289, 69.7918



39.8499, 30.4289, 17.2445

Rectangle

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



22.6503, 30.4289, 12.2690



18.6103, 30.4289, 30.1121



36.2556, 30.4289, 69.7918



42.4746, 30.4289, 36.3472

Sweetspot

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



22.6510, 30.4302, 12.2697



53.3811, 60.4770, 50.8399



22.2892, 20.4416, 10.3607



11.5181, 13.1761, 10.6836



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.6510, 30.4302, 12.2697



37.6115, 53.0895, 16.5787



17.9765, 28.0204, 12.0509



7.3441, 8.0799, 7.5526



13.5505, 22.0960, 3.5508



0.3380, 0.4918, 0.0771

Inverse Universe

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



16.5054, 12.0244, 35.1709



25.3786, 16.4172, 62.2178



22.9359, 15.3394, 35.4719



6.9853, 7.0068, 8.8874



7.2918, 3.1655, 27.1565



0.2073, 0.0944, 0.5731

Previews

White Background



This preview shows how the XYZ color 22.6503, 30.4289, 12.2690 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 22.6503, 30.4289, 12.2690 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 22.6503, 30.4289, 12.2690

Background



This preview shows how black text looks on a background with the XYZ color 22.6503, 30.4289, 12.2690.



This preview shows how white text looks on a background with the XYZ color 22.6503, 30.4289,

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

22.6503, 30.4289, 12.2690

Protanopia

27.7279, 30.3338, 11.2311

Deuteranopia

30.7536, 30.2459, 12.8115



Tritanopia

28.2456, 30.4552, 39.5117

Trichromacy



Original Color

22.6503, 30.4289, 12.2690

Protanomaly

25.4728, 30.1311, 11.4945

Deuteranomaly

27.1656, 30.0143, 12.5452

Tritanomaly

25.6278, 30.1227, 26.6538

Monochromacy



Original Color

22.6503, 30.4289, 12.2690

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.9114, 27.6626, 21.5319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6503, 30.4289, 12.2690 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(125, 161, 80)` looks like.

```
.text, #text, p{  
    color:rgb(125, 161, 80)  
}
```

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(125, 161, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 161, 80) }
```

Border

The CSS property to change the border of an element to XYZ 22.6503, 30.4289, 12.2690 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(125, 161, 80) }
```


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

```
.border{ border-color:rgb(125, 161, 80) }
```

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

Here you see how a box with a 4 pixel rgb(125, 161, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 161, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 161, 80);  
box-shadow:4px 4px 4px 4px rgb(125, 161,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6503, 30.4289, 12.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 161, 80) }
```

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

```
.background{ background-color: rgb(125,  
161, 80) }
```

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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