

Converting Colors

XYZ(22.4525, 30.0904, 20.3245)

Have a look what the booklet for
XYZ(22.4525, 30.0904, 20.3245)
contains.

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Color

**XYZ(22.5356, 30.1927,
20.2628)**

Conversions

Conversions Part 1

Format	Color
Hex	71A171
RGB	113, 161, 113
RGB Percent	44%, 63%, 44%
CMY	0.5569, 0.3686, 0.5569
CMYK	0.30, 0.00, 0.30, 0.37
HSL	120°, 20%, 54%
HSV	120°, 30%, 63%
XYZ	22.5356, 30.1927, 20.2628
YIQ	141.1760, -13.2000, -25.1040

Conversions

Conversions Part 2

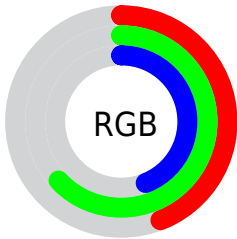
Format	Color
RYB	113, 161, 161
Decimal	7446897
CIELab	61.82, -25.97, 19.99
CIElCh	62, 32.767, 142.412
Yxy	30.1927, 0.3087, 0.4136
Android (android.graphics.Color)	4285636977 (0xFF71A171)
YUV	141.1760, -13.8908, -24.7104
Hunter-Lab	54.9479, -22.9512, 16.5995

Details

The XYZ color **22.5356, 30.1927, 20.2628** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.0372, 21.9613, 36.5335**, and the grayscale version is **25.4437, 26.7687, 29.1512**.

A 20% lighter version of the original color is **47.0733, 59.9353, 44.6850**, and **8.4727, 12.3757, 6.9432** is the 20% darker color. If you saturate the color by 10%, you get **19.8177, 28.8881, 15.8166**, and if you desaturate by 10%, it is **25.7834, 31.7537, 25.5745**.

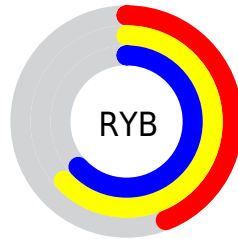
Distribution



Red (44%)

Green (63%)

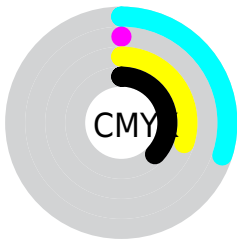
Blue (44%)



Red (44%)

Yellow (63%)

Blue (63%)

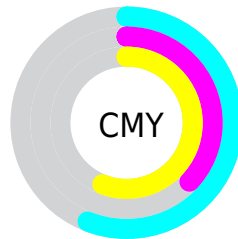


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (37%)



Cyan (56%)

Magenta (37%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5356, 30.1927, 20.2628 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 22.5356, 30.1927, 20.2628 by changing the saturation by 10% instead.

■ 22.5356, 30.1927,
20.2628

■ 22.5356, 30.1927,
20.2628

257.9108,
302.8016, 265.9854

■ 14.3698, 19.9849,
12.4002

■ 47.1019, 59.9668,
44.7221

■ 8.4617, 12.3841,
6.8910

■ 64.2332, 80.3019,
62.1559

■ 4.4461, 7.0058,
3.3166

■ 85.0836, 104.7815,
83.6173

■ 1.9575, 3.4657,
1.2585

■ 110.0185,
133.7901, 109.5246

■ 0.6099, 1.3794,
0.0274

139.4034,
167.7120, 140.2966

■ 0.0000, 0.2015,
0.0000

173.6035,

■ 0.0000, 0.0000,

206.9316, 176.3517

0.0000

212.9842,
251.8334, 218.1084

■ 22.5356, 30.1927,
20.2628

■ 22.5356, 30.1927,
20.2628

■ 19.8177, 28.8881,
15.8166

■ 25.7834, 31.7537,
25.5745

■ 17.5995, 27.8225,
12.1882

■ 29.5845, 33.5796,
31.7920

■ 15.8511, 26.9827,
9.3285

■ 33.9641, 35.6833,
38.9556

■ 14.5388, 26.3524,
7.1820

■ 38.9448, 38.0758,
47.1024

■ 13.6243, 25.9131,
5.6861

■ 44.5480, 40.7673,
56.2676

■ 13.0626, 25.6432,
4.7672

■ 50.7944, 43.7677,
66.4846

■ 12.7508, 25.4935,
4.2573

■ 57.7034, 47.0865,
77.7855

■ 12.7455, 25.4909,
4.2485

■ 65.2936, 50.7325,
90.2007

■ 72.0354, 53.9709,
101.2285

Harmonies

Analogous

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



25.6088, 30.1927, 15.2571



22.5356, 30.1927, 20.2628



21.1421, 30.1927, 29.7956

Triad

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



22.5356, 30.1927, 20.2628



27.6009, 30.1927, 62.9953



37.1953, 30.1927, 24.5203

Complementary

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



22.5356, 30.1927, 20.2628



27.0372, 21.9613, 36.5335

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.



37.8669, 30.1927, 36.1590



22.5356, 30.1927, 20.2628



32.0245, 30.1927, 60.5466

Square

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



22.5356, 30.1927, 20.2628



23.8669, 30.1927, 55.8923



35.8906, 30.1927, 49.8639



34.1390, 30.1927, 17.2442

Rectangle

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



22.5356, 30.1927, 20.2628



21.2425, 30.1927, 38.3280



35.8906, 30.1927, 49.8639



37.7192, 30.1927, 27.9649

Sweetspot

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



22.5364, 30.1940, 20.2635



53.4555, 60.3634, 57.7103



30.4248, 34.2606, 20.6326



11.5031, 13.1327, 12.2960



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.



22.5364, 30.1940, 20.2635



36.9193, 52.4202, 30.6624



24.0712, 30.8079, 28.3456



6.9856, 7.8950, 7.5358



10.1790, 20.3579, 3.3930



0.2139, 0.4278, 0.0713

Inverse Universe

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



27.0372, 21.9613, 36.5335



46.3445, 35.1799, 64.7340



25.1194, 21.1942, 26.4347



7.3644, 7.2022, 8.9051



16.8766, 8.1067, 27.6047



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 22.5356, 30.1927, 20.2628 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 22.5356, 30.1927, 20.2628 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 22.5356, 30.1927, 20.2628

Background



This preview shows how black text looks on a background with the XYZ color 22.5356, 30.1927, 20.2628.



This preview shows how white text looks on a background with the XYZ color 22.5356, 30.1927,

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

22.5356, 30.1927, 20.2628

Protanopia

27.9514, 30.0512, 18.5146

Deuteranopia

30.4889, 29.9279, 20.9994



Tritanopia

26.6069, 30.0753, 40.4792

Trichromacy



Original Color

22.5356, 30.1927, 20.2628

Protanomaly

25.5334, 29.7479, 19.1480

Deuteranomaly

27.0076, 29.7490, 20.8417

Tritanomaly

24.9312, 30.1425, 32.1078

Monochromacy



Original Color

22.5356, 30.1927, 20.2628

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.0467, 27.6438, 25.5411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5356, 30.1927, 20.2628 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(113, 161, 113)` looks like.

```
.text, #text, p{  
    color:rgb(113, 161, 113)  
}
```

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(113, 161, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 161, 113) }
```

Border

The CSS property to change the border of an element to XYZ 22.5356, 30.1927, 20.2628 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(113, 161, 113) }
```


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

```
.border{ border-color:rgb(113, 161, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 161, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 161, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 161, 113);  
box-shadow:4px 4px 4px 4px rgb(113, 161,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5356, 30.1927, 20.2628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 161, 113) }
```

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

```
.background{ background-color: rgb(113,  
161, 113) }
```

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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