

Converting Colors

XYZ(22.8421, 31.3909, 20.9316)

Have a look what the booklet for
XYZ(22.8421, 31.3909, 20.9316)
contains.

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Color

**XYZ(22.8563, 31.3993,
21.0757)**

Conversions

Conversions Part 1

Format	Color
Hex	6DA573
RGB	109, 165, 115
RGB Percent	43%, 65%, 45%
CMY	0.5725, 0.3529, 0.5490
CMYK	0.34, 0.00, 0.30, 0.35
HSL	126°, 24%, 54%
HSV	126°, 34%, 65%
XYZ	22.8563, 31.3993, 21.0757
YIQ	142.5560, -17.3260, -27.4220

Conversions

Conversions Part 2

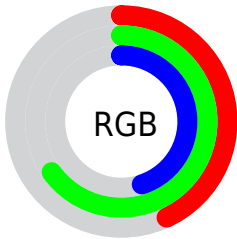
Format	Color
RYB	109, 160, 165
Decimal	7185779
CIELab	62.84, -28.91, 20.24
CIELCh	63, 35.297, 145.002
Yxy	31.3993, 0.3034, 0.4168
Android (android.graphics.Color)	4285375859 (0xFF6DA573)
YUV	142.5560, -13.5851, -29.4286
Hunter-Lab	56.0351, -25.2525, 16.9246

Details

The XYZ color **22.8563, 31.3993, 21.0757** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.2447, 21.4404, 35.5044**, and the grayscale version is **25.9895, 27.3430, 29.7765**.

A 20% lighter version of the original color is **47.4685, 61.6578, 45.9585**, and **8.6334, 13.1031, 7.2284** is the 20% darker color. If you saturate the color by 10%, you get **20.2329, 30.1380, 16.8759**, and if you desaturate by 10%, it is **25.9980, 32.9139, 26.0083**.

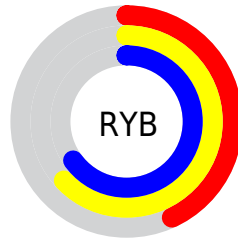
Distribution



Red (43%)

Green (65%)

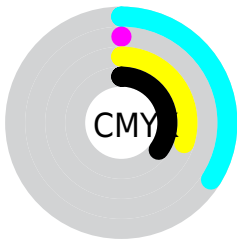
Blue (45%)



Red (43%)

Yellow (63%)

Blue (65%)

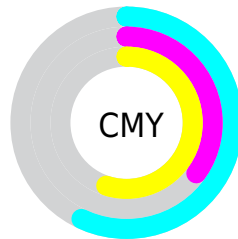


Cyan (34%)

Magenta (0%)

Yellow (30%)

Black (35%)



Cyan (57%)

Magenta (35%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8563, 31.3993, 21.0757 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 22.8563, 31.3993, 21.0757 by changing the saturation by 10% instead.

■ 22.8563, 31.3993,
21.0757

■ 22.8563, 31.3993,
21.0757

259.5352,
308.3737, 270.4748

■ 14.6075, 20.9031,
12.9876

■ 47.6257, 61.8682,
46.0959

■ 8.6289, 13.0532,
7.2894

■ 64.8770, 82.6097,
63.8651

■ 4.5551, 7.4652,
3.5625

■ 85.8599, 107.5350,
85.6983

■ 2.0207, 3.7547,
1.3886

■ 110.9397,
137.0286, 112.0142

■ 0.6456, 1.5373,
0.1328

140.4817,
171.4749, 143.2312

■ 0.0000, 0.3148,
0.0000

174.8515,

■ 0.0000, 0.0000,

211.2582, 179.7680

0.0000

214.4142,
256.7630, 222.0430

■ 22.8563, 31.3993,
21.0757

■ 22.8563, 31.3993,
21.0757

■ 20.2329, 30.1380,
16.8759

■ 25.9980, 32.9139,
26.0083

■ 18.0974, 29.1125,
13.3721

■ 29.6811, 34.6903,
31.7043

■ 16.4202, 28.3091,
10.5273


■ 33.9304, 36.7417,
38.1947


■ 15.1676, 27.7113,
8.3001


■ 38.7686, 39.0790,
45.5086


■ 14.3008, 27.3003,
6.6449


■ 44.2169, 41.7126,
53.6733

 13.7742, 27.0534,
5.5092

 50.2956, 44.6525,
62.7149

 13.5624, 26.9542,
5.0466

 57.0239, 47.9079,
72.6586

 64.4204, 51.4880,
83.5284

 71.5757, 54.9235,
95.3039

Harmonies

Analogous

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



26.0839, 31.3993, 15.2866



22.8563, 31.3993, 21.0757



21.5058, 31.3993, 31.9203

Triad

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



22.8563, 31.3993, 21.0757



29.0412, 31.3993, 68.1734



39.0900, 31.3993, 24.1227

Complementary

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



22.8563, 31.3993, 21.0757



27.2447, 21.4404, 35.5044

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.



40.0993, 31.3993, 36.5616



22.8563, 31.3993, 21.0757



33.9494, 31.3993, 64.4502

Square

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



22.8563, 31.3993, 21.0757



24.8220, 31.3993, 60.9738



38.1281, 31.3993, 51.8509



35.5016, 31.3993, 16.6838

Rectangle

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



22.8563, 31.3993, 21.0757



21.7329, 31.3993, 41.5559



38.1281, 31.3993, 51.8509



39.7575, 31.3993, 27.7478

Sweetspot

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



22.8571, 31.4006, 21.0764



55.8923, 63.4465, 60.9750



30.5943, 35.4279, 19.6939



12.0038, 13.7667, 13.0006



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.



22.8571, 31.4006, 21.0764



37.1862, 54.4304, 31.7601



24.6904, 32.1339, 30.7301



7.0150, 7.9068, 7.6907



10.2693, 20.3941, 3.8689



0.2244, 0.4320, 0.1265

Inverse Universe

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



27.2447, 21.4404, 35.5044



46.2933, 33.7424, 61.6973



25.1105, 20.5867, 24.2659



7.3315, 7.1890, 8.7320



15.7530, 7.6572, 21.6876



0.3397, 0.1644, 0.5016

Previews

White Background



This preview shows how the XYZ color 22.8563, 31.3993, 21.0757 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 22.8563, 31.3993, 21.0757 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 22.8563, 31.3993, 21.0757

Background



This preview shows how black text looks on a background with the XYZ color 22.8563, 31.3993, 21.0757.



This preview shows how white text looks on a background with the XYZ color 22.8563, 31.3993,

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

22.8563, 31.3993, 21.0757

Protanopia

28.9312, 31.0239, 18.9314

Deuteranopia

31.5866, 30.9298, 21.7580



Tritanopia

27.3233, 31.3871, 43.1463

Trichromacy



Original Color

22.8563, 31.3993, 21.0757

Protanomaly

26.0854, 30.7643, 19.6022

Deuteranomaly

27.4471, 30.4399, 21.5684

Tritanomaly

25.5332, 31.4371, 34.0004

Monochromacy



Original Color

22.8563, 31.3993, 21.0757

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.6603, 28.6520, 26.4209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8563, 31.3993, 21.0757 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(109, 165, 115)` looks like.

```
.text, #text, p{  
    color:rgb(109, 165, 115)  
}
```

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(109, 165, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 165, 115) }
```

Border

The CSS property to change the border of an element to XYZ 22.8563, 31.3993, 21.0757 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(109, 165, 115) }
```


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

```
.border{ border-color:rgb(109, 165, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 165, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 165, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 165, 115);  
box-shadow:4px 4px 4px 4px rgb(109, 165,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8563, 31.3993, 21.0757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 165, 115) }
```

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

```
.background{ background-color: rgb(109,  
165, 115) }
```

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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