

Converting Colors

XYZ(24.6501, 32.8017, 22.6893)

Have a look what the booklet for
XYZ(24.6501, 32.8017, 22.6893)
contains.

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Color

**XYZ(24.6801, 32.8451,
22.8083)**

Conversions

Conversions Part 1

Format	Color
Hex	76A778
RGB	118, 167, 120
RGB Percent	46%, 65%, 47%
CMY	0.5373, 0.3451, 0.5294
CMYK	0.29, 0.00, 0.28, 0.35
HSL	122°, 22%, 56%
HSV	122°, 29%, 65%
XYZ	24.6801, 32.8451, 22.8083
YIQ	146.9910, -14.1170, -25.0050

Conversions

Conversions Part 2

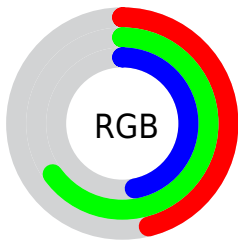
Format	Color
RYB	118, 165, 167
Decimal	7776120
CIELab	64.04, -25.99, 19.21
CIELCh	64, 32.323, 143.530
Yxy	32.8451, 0.3072, 0.4089
Android (android.graphics.Color)	4285966200 (0xFF76A778)
YUV	146.9910, -13.3066, -25.4251
Hunter-Lab	57.3106, -23.4249, 16.5214

Details

The XYZ color **24.6801, 32.8451, 22.8083** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.2074, 23.8896, 38.6703**, and the grayscale version is **27.7876, 29.2347, 31.8366**.

A 20% lighter version of the original color is **50.4587, 63.9176, 49.2130**, and **9.6520, 13.9453, 8.1442** is the 20% darker color. If you saturate the color by 10%, you get **21.7177, 31.4220, 18.0127**, and if you desaturate by 10%, it is **28.2084, 34.5431, 28.4808**.

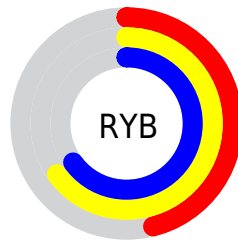
Distribution



Red (46%)

Green (65%)

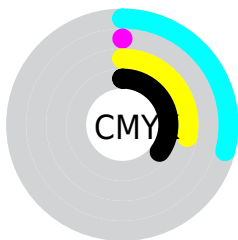
Blue (47%)



Red (46%)

Yellow (65%)

Blue (65%)

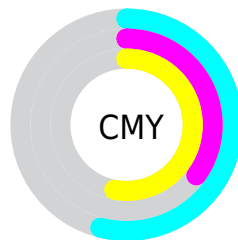


Cyan (29%)

Magenta (0%)

Yellow (28%)

Black (35%)



Cyan (54%)

Magenta (35%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6801, 32.8451, 22.8083 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 24.6801, 32.8451, 22.8083 by changing the saturation by 10% instead.

■ 24.6801, 32.8451,
22.8083

■ 24.6801, 32.8451,
22.8083

268.6182,
314.9512, 279.8288

■ 15.9663, 22.0078,
14.2481

■ 50.5844, 64.1336,
48.9976

■ 9.5910, 13.8626,
8.1527

■ 68.5057, 85.3536,
67.4637

■ 5.1888, 8.0252,
4.1036

■ 90.2268, 110.8033,
90.0688

■ 2.3944, 4.1111,
1.6824

116.1132,
140.8671, 117.2315

■ 0.8423, 1.7359,
0.3486

146.5302,
175.9294, 149.3703

■ 0.0000, 0.4467,
0.0000

181.8431,

■ 0.0000, 0.0000,

216.3746, 186.9038

0.0000

222.4173,
262.5871, 230.2504

■ 24.6801, 32.8451,
22.8083

■ 24.6801, 32.8451,
22.8083

■ 21.7177, 31.4220,
18.0127

■ 28.2084, 34.5431,
28.4808

■ 19.2895, 30.2554,
14.0481

■ 32.3272, 36.5248,
35.0685

■ 17.3642, 29.3313,
10.8681

■ 37.0627, 38.8041,
42.6101

■ 15.9067, 28.6326,
8.4204

■ 42.4389, 41.3923,
51.1415

■ 14.8771, 28.1400,
6.6469

■ 48.4784, 44.3006,
60.6968

■ 14.2288, 27.8309,
5.4802

■ 55.2027, 47.5392,
71.3082

■ 13.8763, 27.6631,
4.8342

■ 62.6324, 51.1181,
83.0068

■ 13.8568, 27.6537,
4.8032

■ 70.7872, 55.0468,
95.8222

■ 73.1094, 56.1188,
101.5865

Harmonies

Analogous

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



27.8445, 32.8451, 17.3157



24.6801, 32.8451, 22.8083



23.2858, 32.8451, 33.0051

Triad

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



24.6801, 32.8451, 22.8083



30.2399, 32.8451, 66.9960



39.9745, 32.8451, 26.6388

Complementary

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



24.6801, 32.8451, 22.8083



29.2074, 23.8896, 38.6703

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.



40.7742, 32.8451, 38.6699



24.6801, 32.8451, 22.8083



34.8542, 32.8451, 64.1063

Square

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



24.6801, 32.8451, 22.8083



26.2876, 32.8451, 60.0178



38.8198, 32.8451, 52.8767



36.7300, 32.8451, 19.1211

Rectangle

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



24.6801, 32.8451, 22.8083



23.4405, 32.8451, 41.9703



38.8198, 32.8451, 52.8767



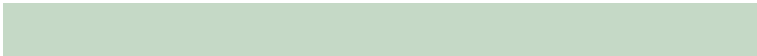
40.5504, 32.8451, 30.1996

Sweetspot

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



24.6810, 32.8465, 22.8090



58.0355, 65.4790, 63.0297



32.6836, 36.9859, 22.5561



12.7394, 14.5337, 13.7092



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.6810, 32.8465, 22.8090



40.7468, 57.1630, 35.2657



26.3351, 33.5081, 31.5196



7.4487, 8.4125, 8.0830



10.6073, 21.1617, 3.6990



0.2618, 0.5164, 0.1098

Inverse Universe

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



29.2074, 23.8896, 38.6703



50.1425, 38.5673, 68.1870



27.2136, 23.0921, 28.1710



7.8285, 7.6613, 9.4140



17.0667, 8.2354, 26.2263



0.4191, 0.2019, 0.6587

Previews

White Background



This preview shows how the XYZ color 24.6801, 32.8451, 22.8083 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 24.6801, 32.8451, 22.8083 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 24.6801, 32.8451, 22.8083

Background



This preview shows how black text looks on a background with the XYZ color 24.6801, 32.8451, 22.8083.



This preview shows how white text looks on a background with the XYZ color 24.6801, 32.8451,

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

24.6801, 32.8451, 22.8083

Protanopia

30.3187, 32.4331, 20.5818

Deuteranopia

33.0504, 32.3383, 23.5688



Tritanopia

29.0157, 32.7479, 44.3269

Trichromacy



Original Color

24.6801, 32.8451, 22.8083

Protanomaly

27.9449, 32.4468, 21.3130

Deuteranomaly

29.2011, 32.0408, 23.3843

Tritanomaly

27.2421, 32.8126, 35.4695

Monochromacy



Original Color

24.6801, 32.8451, 22.8083

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

26.2243, 30.1516, 28.1046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6801, 32.8451, 22.8083 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, 167, 120)` looks like.

```
.text, #text, p{  
    color:rgb(118, 167, 120)  
}
```

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, 167, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 167, 120) }
```

Border

The CSS property to change the border of an element to XYZ 24.6801, 32.8451, 22.8083 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, 167, 120) }
```


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

```
.border{ border-color:rgb(118, 167, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 167, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 167, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 167, 120);  
box-shadow:4px 4px 4px 4px rgb(118, 167,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6801, 32.8451, 22.8083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 167, 120) }
```

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

```
.background{ background-color: rgb(118,  
167, 120) }
```

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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