

Converting Colors

XYZ(22.3885, 28.9205, 40.2859)

Have a look what the booklet for
XYZ(22.3885, 28.9205, 40.2859)
contains.

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Color

**XYZ(22.4181, 28.9124,
40.4755)**

Conversions

Conversions Part 1

Format	Color
Hex	509EA6
RGB	80, 158, 166
RGB Percent	31%, 62%, 65%
CMY	0.6863, 0.3804, 0.3490
CMYK	0.52, 0.05, 0.00, 0.35
HSL	186°, 35%, 48%
HSV	186°, 52%, 65%
XYZ	22.4181, 28.9124, 40.4755
YIQ	135.5900, -49.0560, -14.0480

Conversions

Conversions Part 2

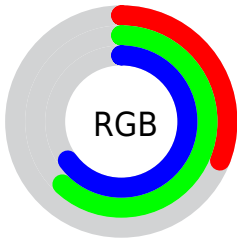
Format	Color
R_{YB}	80, 121, 166
Decimal	5283494
CIE _{Lab}	60.70, -21.69, -11.56
CIE _{LCh}	61, 24.580, 208.044
Yxy	28.9124, 0.2442, 0.3149
Android (android.graphics.Color)	4283473574 (0xFF509EA6)
YUV	135.5900, 14.9921, -48.7524
Hunter-Lab	53.7703, -19.6770, -6.9913

Details

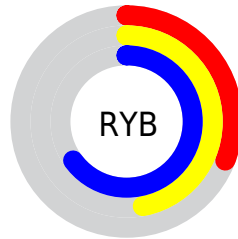
The XYZ color **22.4181, 28.9124, 40.4755** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.6642, 15.6663, 9.5250**, and the grayscale version is **23.2084, 24.4170, 26.5901**.

A 20% lighter version of the original color is **46.9987, 58.0432, 77.1330**, and **8.3573, 11.6085, 17.7198** is the 20% darker color. If you saturate the color by 10%, you get **20.9244, 27.7545, 40.3312**, and if you desaturate by 10%, it is **24.2631, 30.2576, 40.6384**.

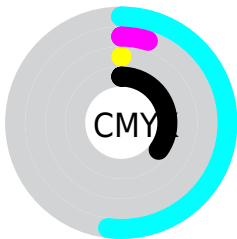
Distribution



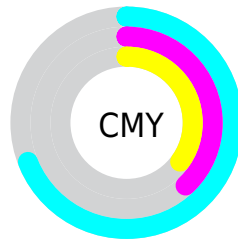
- Red (31%)
- Green (62%)
- Blue (65%)



- Red (31%)
- Yellow (47%)
- Blue (65%)



- Cyan (52%)
- Magenta (5%)
- Yellow (0%)
- Black (35%)



- Cyan (69%)
- Magenta (38%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4181, 28.9124, 40.4755 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 22.4181, 28.9124, 40.4755 by changing the saturation by 10% instead.

■ 22.4181, 28.9124,
40.4755

■ 22.4181, 28.9124,
40.4755

257.3135,
296.8014, 363.7352

■ 14.2828, 19.0146,
27.5929

■ 46.9098, 57.9379,
77.1320

■ 8.4006, 11.6808,
17.7826

■ 63.9968, 77.8343,
101.7430

■ 4.4063, 6.5267,
10.6262

■ 84.7985, 101.8324,
131.1006

■ 1.9345, 3.1679,
5.7051

■ 109.6801,
130.3165, 165.6232

■ 0.5967, 1.2200,
2.6007

■ 139.0071,
163.6711, 205.7294

■ 0.0000, 0.0780,
0.8928

173.1448,

■ 0.0000, 0.0000,

202.2805, 251.8378

0.0000

212.4584,
246.5291, 304.3669

■ 22.4181, 28.9124,
40.4755

■ 22.4181, 28.9124,
40.4755

■ 20.9244, 27.7545,
40.3312

■ 24.2631, 30.2576,
40.6384

■ 19.7535, 26.7672,
40.2024

■ 26.4801, 31.7989,
40.8191

■ 18.8765, 25.9364,
40.0882

■ 29.0914, 33.5484,
41.0191

■ 18.2582, 25.2437,
39.9871

■ 32.1166, 35.5162,
41.2395

■ 17.8792, 24.7456,
39.9110

■ 35.5741, 37.7119,
41.4811

■ 39.4812, 40.1443,
41.7447

■ 43.8541, 42.8219,
42.0310

■ 48.7084, 45.7527,
42.3409

■ 54.0588, 48.9443,
42.6749

Harmonies

Analogous

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



21.7987, 28.9124, 30.8854



22.4181, 28.9124, 40.4755



24.3624, 28.9124, 48.8459

Triad

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



22.4181, 28.9124, 40.4755



33.0155, 28.9124, 41.7149



27.6901, 28.9124, 16.9946

Complementary

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



22.4181, 28.9124, 40.4755



20.6642, 15.6663, 9.5250

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.



30.8536, 28.9124, 18.8127



22.4181, 28.9124, 40.4755



34.0723, 28.9124, 32.0836

Square

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



22.4181, 28.9124, 40.4755



30.4639, 28.9124, 49.6533



33.2525, 28.9124, 23.9282



24.6983, 28.9124, 18.3908

Rectangle

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



22.4181, 28.9124, 40.4755



26.2301, 28.9124, 51.9649



33.2525, 28.9124, 23.9282



28.7697, 28.9124, 17.2414

Sweetspot

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



22.4190, 28.9135, 40.4762



55.7262, 62.8031, 74.6604



18.6723, 29.6694, 13.7961



12.2300, 13.8975, 16.6900



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.



22.4190, 28.9135, 40.4762



37.6560, 50.1122, 73.1632



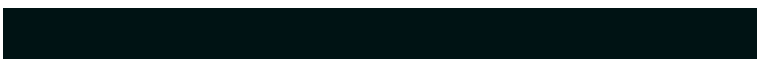
16.4182, 16.9120, 38.4759



7.6870, 8.4110, 9.6367



13.8824, 19.2250, 30.9546



0.3544, 0.5010, 0.7587

Inverse Universe

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



24.7669, 16.3138, 34.1925



42.5151, 25.1749, 59.9032



25.1794, 24.6967, 11.0301



7.8114, 7.6544, 9.3239



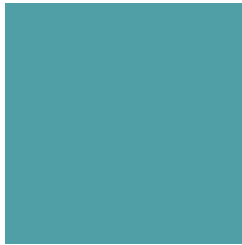
16.5078, 8.0118, 23.2833



0.4100, 0.1983, 0.6107

Previews

White Background



This preview shows how the XYZ color 22.4181, 28.9124, 40.4755 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4181, 28.9124, 40.4755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

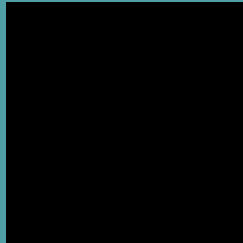
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4181, 28.9124, 40.4755

Background



This preview shows how black text looks on a background with the XYZ color 22.4181, 28.9124, 40.4755.

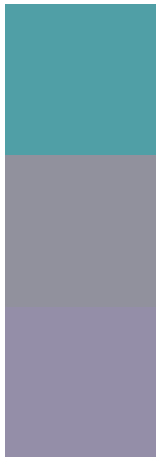


This preview shows how white text looks on a background with the XYZ color 22.4181, 28.9124,

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

22.4181, 28.9124, 40.4755

Protanopia

27.9740, 28.7392, 36.4206

Deuteranopia

29.0472, 28.5065, 41.5075



Tritanopia

22.7060, 28.7656, 42.3858

Trichromacy



Original Color

22.4181, 28.9124, 40.4755

Protanomaly

25.2245, 28.4508, 37.8803

Deuteranomaly

25.8262, 28.2179, 41.1312

Tritanomaly

22.6117, 28.7278, 41.8894

Monochromacy



Original Color

22.4181, 28.9124, 40.4755

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.4422, 25.7661, 31.3943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4181, 28.9124, 40.4755 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(80, 158, 166)` looks like.

```
.text, #text, p{  
    color:rgb(80, 158, 166)  
}
```

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(80, 158, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 158, 166) }
```

Border

The CSS property to change the border of an element to XYZ 22.4181, 28.9124, 40.4755 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(80, 158, 166) }
```


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

```
.border{ border-color:rgb(80, 158, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 158, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 158, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 158, 166);  
box-shadow:4px 4px 4px 4px rgb(80, 158,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4181, 28.9124, 40.4755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 158, 166) }
```

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

```
.background{ background-color: rgb(80, 158,  
166) }
```

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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