

Converting Colors

XYZ(20.2129, 22.6521, 8.9374)

Have a look what the booklet for
XYZ(20.2129, 22.6521, 8.9374)
contains.

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Color

**XYZ(20.2769, 22.7802,
8.9585)**

Conversions

Conversions Part 1

Format	Color
Hex	8C8545
RGB	140, 133, 69
RGB Percent	55%, 52%, 27%
CMY	0.4510, 0.4784, 0.7294
CMYK	0.00, 0.05, 0.51, 0.45
HSL	54°, 34%, 41%
HSV	54°, 51%, 55%
XYZ	20.2769, 22.7802, 8.9585
YIQ	127.7970, 24.7160, -18.4200

Conversions

Conversions Part 2

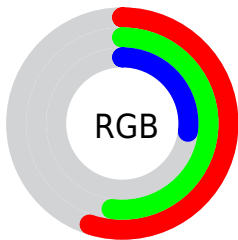
Format	Color
R_{YB}	77, 140, 69
Decimal	9209157
CIE _{Lab}	54.85, -6.61, 35.16
CIE _{LCh}	55, 35.775, 100.641
Yxy	22.7802, 0.3898, 0.4379
Android (android.graphics.Color)	4287399237 (0xFF8C8545)
YUV	127.7970, -28.9869, 10.7020
Hunter-Lab	47.7286, -7.6916, 22.2815

Details

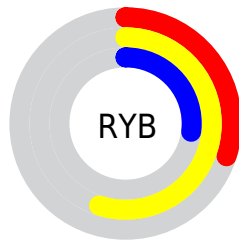
The XYZ color **20.2769, 22.7802, 8.9585** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.7722, 8.3272, 25.9030**, and the grayscale version is **20.5392, 21.6088, 23.5320**.

A 20% lighter version of the original color is **43.3944, 48.0518, 24.4406**, and **7.3302, 8.4695, 1.9579** is the 20% darker color. If you saturate the color by 10%, you get **19.7052, 22.2521, 6.8712**, and if you desaturate by 10%, it is **20.9547, 23.3564, 11.5877**.

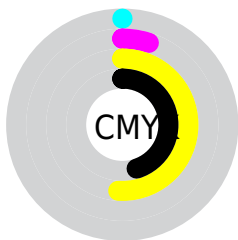
Distribution



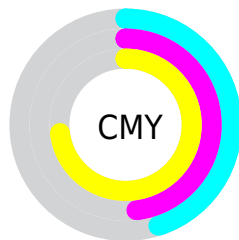
- Red (55%)
- Green (52%)
- Blue (27%)



- Red (30%)
- Yellow (55%)
- Blue (27%)



- Cyan (0%)
- Magenta (5%)
- Yellow (51%)
- Black (45%)



- Cyan (45%)
- Magenta (48%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2769, 22.7802, 8.9585 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 20.2769, 22.7802, 8.9585 by changing the saturation by 10% instead.

■ 20.2769, 22.7802,
8.9585

■ 20.2769, 22.7802,
8.9585

246.2153,
266.5940, 193.2747

■ 12.7059, 14.4313,
4.6177

■ 43.3814, 48.0322,
24.3936

■ 7.3020, 8.4212,
1.9700

■ 59.6455, 65.7040,
36.3250

■ 3.6997, 4.3657,
0.5367

■ 79.5381, 87.2523,
51.6236

■ 1.5337, 1.8801,
0.0000

■ 103.4246,
113.0614, 70.7081

■ 0.3486, 0.5364,
0.0000

■ 131.6701,
143.5157, 93.9968

■ 0.0000, 0.0000,
0.0000

164.6402,

178.9997, 121.9085

202.7002,
219.8977, 154.8616

■ 20.2769, 22.7802,
8.9585

■ 20.2769, 22.7802,
8.9585

■ 19.7052, 22.2521,
6.8712

■ 20.9547, 23.3564,
11.5877

■ 19.2307, 21.7661,
5.2857

■ 21.7437, 23.9801,
14.7922

■ 18.8456, 21.3197,
4.1589

■ 22.6504, 24.6550,
18.6044

■ 18.5401, 20.9091,
3.4395

■ 23.6804, 25.3832,
23.0539

■ 18.3023, 20.5496,
3.0018

■ 24.8391, 26.1668,
28.1682

■ 26.1313, 27.0080,
33.9734

■ 27.5618, 27.9085,
40.4941

■ 29.1350, 28.8702,
47.7536

■ 30.8552, 29.8947,
55.7745

Harmonies

Analogous

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



24.2737, 22.7802, 9.4004



20.2769, 22.7802, 8.9585



17.0641, 22.7802, 11.6694

Triad

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



20.2769, 22.7802, 8.9585



16.3756, 22.7802, 41.8785



29.6542, 22.7802, 32.7523

Complementary

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



20.2769, 22.7802, 8.9585



9.7722, 8.3272, 25.9030

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.



26.9961, 22.7802, 45.2887



20.2769, 22.7802, 8.9585



19.2260, 22.7802, 51.5705

Square

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



20.2769, 22.7802, 8.9585



15.0010, 22.7802, 29.0496



23.0877, 22.7802, 52.9800



30.0250, 22.7802, 20.9932

Rectangle

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



20.2769, 22.7802, 8.9585



15.6736, 22.7802, 15.5795



23.0877, 22.7802, 52.9800



28.9846, 22.7802, 37.0967

Sweetspot

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



20.2774, 22.7813, 8.9590



40.8865, 44.1492, 36.8916



14.2514, 10.3551, 8.1036



9.3438, 10.1182, 8.1668



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.2774, 22.7813, 8.9590



34.5989, 39.0922, 11.6177



17.0836, 22.6043, 9.0932



5.3897, 5.7622, 5.3805



16.2705, 18.2753, 2.6699



0.1137, 0.1327, 0.0196

Inverse Universe

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



9.7722, 8.3272, 25.9030



13.8947, 10.6213, 45.0607



11.8344, 8.7133, 25.8689



4.8118, 4.9665, 6.3109



4.3508, 1.9719, 22.1970



0.0334, 0.0221, 0.1490

Previews

White Background



This preview shows how the XYZ color 20.2769, 22.7802, 8.9585 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 20.2769, 22.7802, 8.9585 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 20.2769, 22.7802, 8.9585

Background



This preview shows how black text looks on a background with the XYZ color 20.2769, 22.7802, 8.9585.



This preview shows how white text looks on a background with the XYZ color 20.2769, 22.7802,

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

20.2769, 22.7802, 8.9585

Protanopia

20.8367, 22.6697, 8.7463

Deuteranopia

23.1689, 22.6992, 9.1215



Tritanopia

23.8667, 22.8740, 26.0789

Trichromacy



Original Color

20.2769, 22.7802, 8.9585

Protanomaly

20.6223, 22.7595, 8.7750

Deuteranomaly

21.9615, 22.6528, 9.0093

Tritanomaly

22.2211, 22.7775, 18.2642

Monochromacy



Original Color

20.2769, 22.7802, 8.9585

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.1522, 21.9323, 17.0811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2769, 22.7802, 8.9585 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(140, 133, 69)` looks like.

```
.text, #text, p{  
    color:rgb(140, 133, 69)  
}
```

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(140, 133, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 133, 69) }
```

Border

The CSS property to change the border of an element to XYZ 20.2769, 22.7802, 8.9585 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(140, 133, 69) }
```


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

```
.border{ border-color:rgb(140, 133, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 133, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 133, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 133, 69);  
box-shadow:4px 4px 4px 4px rgb(140, 133,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2769, 22.7802, 8.9585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 133, 69) }
```

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

```
.background{ background-color: rgb(140,  
133, 69) }
```

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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