

Converting Colors

XYZ(20.8654, 28.9683, 22.8938)

Have a look what the booklet for
XYZ(20.8654, 28.9683, 22.8938)
contains.

XYZ(20.9075, 29.0335, 22.9144)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.9075, 29.0335,
22.9144)**

Conversions

Conversions Part 1

Format	Color
Hex	60A07A
RGB	96, 160, 122
RGB Percent	38%, 63%, 48%
CMY	0.6235, 0.3725, 0.5216
CMYK	0.40, 0.00, 0.24, 0.37
HSL	144°, 25%, 50%
HSV	144°, 40%, 63%
XYZ	20.9075, 29.0335, 22.9144
YIQ	136.5320, -25.9460, -25.3860

Conversions

Conversions Part 2

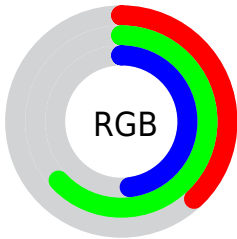
Format	Color
R_{YB}	96, 142, 160
Decimal	6332538
CIE _{Lab}	60.81, -29.26, 13.47
CIE _{LCh}	61, 32.208, 155.278
Yxy	29.0335, 0.2870, 0.3985
Android (android.graphics.Color)	4284522618 (0xFF60A07A)
YUV	136.5320, -7.1643, -35.5466
Hunter-Lab	53.8827, -25.0335, 12.5040

Details

The XYZ color **20.9075, 29.0335, 22.9144** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.9841, 17.5612, 24.7336**, and the grayscale version is **23.6351, 24.8660, 27.0790**.

A 20% lighter version of the original color is **44.3348, 58.0464, 48.9118**, and **7.6039, 11.7416, 8.1689** is the 20% darker color. If you saturate the color by 10%, you get **18.8323, 28.0292, 19.8935**, and if you desaturate by 10%, it is **23.3845, 30.2398, 26.2558**.

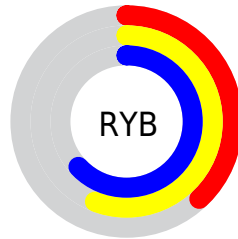
Distribution



Red (38%)

Green (63%)

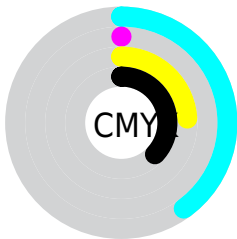
Blue (48%)



Red (38%)

Yellow (56%)

Blue (63%)

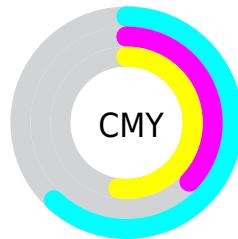


Cyan (40%)

Magenta (0%)

Yellow (24%)

Black (37%)



Cyan (62%)

Magenta (37%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9075, 29.0335, 22.9144 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 20.9075, 29.0335, 22.9144 by changing the saturation by 10% instead.

■ 20.9075, 29.0335,
22.9144

■ 20.9075, 29.0335,
22.9144

249.5275,
297.3730, 280.3927

■ 13.1685, 19.1062,
14.3256

■ 44.4260, 58.1303,
49.1741

■ 7.6225, 11.7470,
8.2061

■ 60.9361, 78.0686,
67.6822

■ 3.9041, 6.5717,
4.1375

■ 81.1007, 102.1126,
90.3337

■ 1.6480, 3.1957,
1.7011

■ 105.2851,
130.6468, 117.5473

■ 0.4234, 1.2347,
0.3615

133.8546,
164.0555, 149.7414

■ 0.0000, 0.0898,
0.0000

167.1746,

■ 0.0000, 0.0000,

202.7232, 187.3347

0.0000

205.6105,
247.0342, 230.7456

■ 20.9075, 29.0335,
22.9144

■ 20.9075, 29.0335,
22.9144

■ 18.8323, 28.0292,
19.8935

■ 23.3845, 30.2398,
26.2558

■ 17.1339, 27.2119,
17.1815

■ 26.2816, 31.6551,
29.9250

■ 15.7883, 26.5702,
14.7689


■ 29.6189, 33.2904,
33.9313


■ 14.7672, 26.0898,
12.6450


■ 33.4145, 35.1547,
38.2834

■ 14.0379, 25.7540,
10.7983


■ 37.6852, 37.2566,
42.9893

 13.5254, 25.5243,
9.2147

 42.4474, 39.6044,
48.0569

 47.7163, 42.2057,
53.4938

 53.5065, 45.0680,
59.3075

 59.8322, 48.1983,
65.5051

Harmonies

Analogous

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



23.2007, 29.0335, 16.2745



20.9075, 29.0335, 22.9144



20.3279, 29.0335, 33.7820

Triad

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



20.9075, 29.0335, 22.9144



28.3429, 29.0335, 60.5901



34.7059, 29.0335, 20.0752

Complementary

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



20.9075, 29.0335, 22.9144



22.9841, 17.5612, 24.7336

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.



36.4167, 29.0335, 29.5380



20.9075, 29.0335, 22.9144



32.5129, 29.0335, 54.4272

Square

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



20.9075, 29.0335, 22.9144



24.3625, 29.0335, 57.5322



35.5763, 29.0335, 42.2729



31.1025, 29.0335, 14.9493

Rectangle

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



20.9075, 29.0335, 22.9144



20.9350, 29.0335, 42.5195



35.5763, 29.0335, 42.2729



35.5372, 29.0335, 22.7512

Sweetspot

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



20.9083, 29.0347, 22.9151



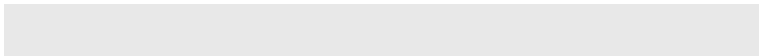
52.3543, 59.7454, 59.9302



24.5785, 31.0887, 15.7720



11.3187, 13.0230, 12.9495



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.



20.9083, 29.0347, 22.9151



34.5640, 51.0704, 36.6816



23.1950, 29.9494, 34.9570



6.6568, 7.4435, 7.6276



10.5565, 19.8905, 7.2873



0.2091, 0.3638, 0.2377

Inverse Universe

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



22.9841, 17.5612, 24.7336



38.8613, 27.2894, 40.4247



21.0990, 16.8072, 14.8071



6.7900, 6.7089, 7.7452



12.9244, 6.4743, 9.1190



0.2517, 0.1240, 0.2715

Previews

White Background



This preview shows how the XYZ color 20.9075, 29.0335, 22.9144 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 20.9075, 29.0335, 22.9144 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 20.9075, 29.0335, 22.9144

Background



This preview shows how black text looks on a background with the XYZ color 20.9075, 29.0335, 22.9144.



This preview shows how white text looks on a background with the XYZ color 20.9075, 29.0335,

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

20.9075, 29.0335, 22.9144

Protanopia

26.8910, 28.7641, 20.3544

Deuteranopia

29.2271, 28.7716, 23.7517



Tritanopia

24.3824, 28.9285, 40.3751

Trichromacy



Original Color

20.9075, 29.0335, 22.9144

Protanomaly

24.1681, 28.5096, 21.3686

Deuteranomaly

25.2761, 28.3232, 23.5368

Tritanomaly

22.8730, 28.8037, 33.2083

Monochromacy



Original Color

20.9075, 29.0335, 22.9144

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.3163, 26.0543, 25.6826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9075, 29.0335, 22.9144 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(96, 160, 122)` looks like.

```
.text, #text, p{  
    color:rgb(96, 160, 122)  
}
```

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(96, 160, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 160, 122) }
```

Border

The CSS property to change the border of an element to XYZ 20.9075, 29.0335, 22.9144 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(96, 160, 122) }
```


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

```
.border{ border-color:rgb(96, 160, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 160, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 160, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 160, 122);  
box-shadow:4px 4px 4px 4px rgb(96, 160,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9075, 29.0335, 22.9144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 160, 122) }
```

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

```
.background{ background-color: rgb(96, 160,  
122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor