

Converting Colors

XYZ(20.2272, 28.5037, 12.6303)

Have a look what the booklet for
XYZ(20.2272, 28.5037, 12.6303)
contains.

XYZ(20.0949, 28.3295, 12.5926)	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(20.0949, 28.3295,
12.5926)**

Conversions

Conversions Part 1

Format	Color
Hex	6D9E53
RGB	109, 158, 83
RGB Percent	43%, 62%, 33%
CMY	0.5725, 0.3804, 0.6745
CMYK	0.31, 0.00, 0.47, 0.38
HSL	99°, 31%, 47%
HSV	99°, 47%, 62%
XYZ	20.0949, 28.3295, 12.5926
YIQ	134.7990, -5.1290, -33.7130

Conversions

Conversions Part 2

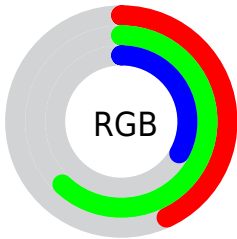
Format	Color
R_{YB}	83, 158, 132
Decimal	7183955
CIE _{Lab}	60.19, -30.52, 33.91
CIE _{LCh}	60, 45.623, 131.987
Yxy	28.3295, 0.3293, 0.4643
Android (android.graphics.Color)	4285374035 (0xFF6D9E53)
YUV	134.7990, -25.5369, -22.6257
Hunter-Lab	53.2255, -25.7531, 23.2304

Details

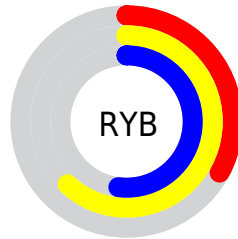
The XYZ color **20.0949, 28.3295, 12.5926** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.7817, 13.5615, 33.9771**, and the grayscale version is **23.0483, 24.2486, 26.4067**.

A 20% lighter version of the original color is **43.2016, 57.0963, 31.2980**, and **7.2023, 11.3290, 3.3972** is the 20% darker color. If you saturate the color by 10%, you get **18.3570, 27.4971, 9.6819**, and if you desaturate by 10%, it is **22.1224, 29.2969, 16.2438**.

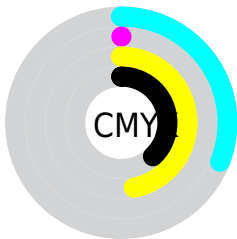
Distribution



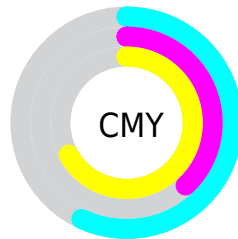
- Red (43%)
- Green (62%)
- Blue (33%)



- Red (33%)
- Yellow (62%)
- Blue (52%)



- Cyan (31%)
- Magenta (0%)
- Yellow (47%)
- Black (38%)



- Cyan (57%)
- Magenta (38%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0949, 28.3295, 12.5926 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 20.0949, 28.3295, 12.5926 by changing the saturation by 10% instead.

■ 20.0949, 28.3295,
12.5926

■ 20.0949, 28.3295,
12.5926

245.2522,
294.0381, 219.4053

■ 12.5727, 18.5742,
7.0212

■ 43.0790, 57.0101,
31.2503

■ 7.2099, 11.3630,
3.3967

■ 59.2715, 76.7041,
45.1737

■ 3.6412, 6.3116,
1.3006

■ 79.0850, 100.4799,
62.7181

■ 1.5012, 3.0354,
0.0623

■ 102.8846,
128.7217, 84.3021

■ 0.3267, 1.1503,
0.0000

■ 131.0358,
161.8141, 110.3444

■ 0.0000, 0.0205,
0.0000

163.9039,

■ 0.0000, 0.0000,

200.1413, 141.2632

0.0000

201.8542,
244.0879, 177.4774

■ 20.0949, 28.3295,
12.5926

■ 20.0949, 28.3295,
12.5926

■ 18.3570, 27.4971,
9.6819

■ 22.1224, 29.2969,
16.2438

■ 16.8920, 26.7895,
7.4591

■ 24.4510, 30.4016,
20.6794

■ 15.6842, 26.2009,
5.8679


■ 27.0941, 31.6503,
25.9423


■ 14.7155, 25.7232,
4.8420


■ 30.0634, 33.0485,
32.0716


■ 13.9587, 25.3449,
4.2712


■ 33.3702, 34.6010,
39.1040

 13.7905, 25.2607,
4.1490

 37.0253, 36.3126,
47.0740

 41.0386, 38.1879,
56.0143

 45.4200, 40.2311,
65.9561

 50.1789, 42.4464,
76.9292

Harmonies

Analogous

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



24.6621, 28.3295, 8.8780



20.0949, 28.3295, 12.5926



17.6017, 28.3295, 21.9362

Triad

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



20.0949, 28.3295, 12.5926



23.6029, 28.3295, 72.6193



39.4639, 28.3295, 24.6406

Complementary

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



20.0949, 28.3295, 12.5926



18.7817, 13.5615, 33.9771

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.



39.0712, 28.3295, 41.8908



20.0949, 28.3295, 12.5926



29.3251, 28.3295, 74.1780

Square

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



20.0949, 28.3295, 12.5926



19.4163, 28.3295, 57.7298



35.1533, 28.3295, 61.4349



36.1593, 28.3295, 13.9537

Rectangle

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



20.0949, 28.3295, 12.5926



17.1956, 28.3295, 31.9739



35.1533, 28.3295, 61.4349



39.7717, 28.3295, 29.7450

Sweetspot

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



20.0956, 28.3307, 12.5932



50.8576, 58.2554, 50.4905



23.8804, 24.3296, 11.6214



11.2249, 13.0201, 10.8905



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.



20.0956, 28.3307, 12.5932



33.1483, 49.8425, 17.2843



17.8266, 27.1067, 14.9416



6.7568, 7.5073, 7.0786



11.0833, 20.2504, 3.3246



0.2415, 0.3844, 0.0615

Inverse Universe

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



18.7817, 13.5615, 33.9771



30.4358, 19.6761, 60.9372



22.4418, 15.5551, 29.3220



6.6807, 6.6394, 8.3361



9.4874, 4.3199, 26.2410



0.2135, 0.0999, 0.4713

Previews

White Background



This preview shows how the XYZ color 20.0949, 28.3295, 12.5926 looks on a white background.

Color Contrast Check

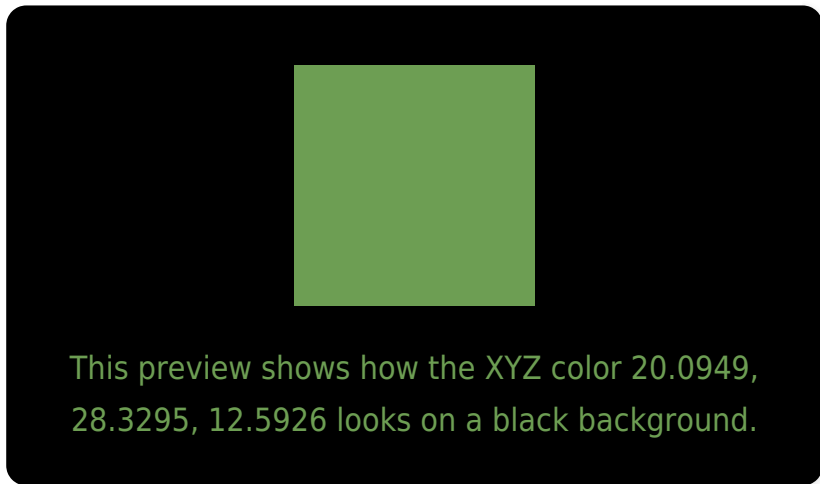
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

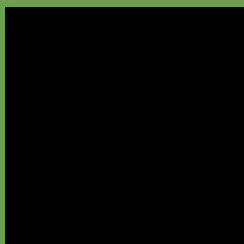
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0949, 28.3295, 12.5926

Background



This preview shows how black text looks on a background with the XYZ color 20.0949, 28.3295, 12.5926.



This preview shows how white text looks on a background with the XYZ color 20.0949, 28.3295,

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

20.0949, 28.3295, 12.5926

Protanopia

25.7986, 28.1718, 11.2857

Deuteranopia

28.5291, 27.9955, 13.1325



Tritanopia

25.0656, 28.1330, 37.8273

Trichromacy



Original Color

20.0949, 28.3295, 12.5926

Protanomaly

23.3388, 28.0546, 11.7744

Deuteranomaly

24.5676, 27.5020, 12.8177

Tritanomaly

22.7980, 27.9318, 26.3801

Monochromacy



Original Color

20.0949, 28.3295, 12.5926

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.5790, 25.3415, 20.2771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0949, 28.3295, 12.5926 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, 158, 83)` looks like.

```
.text, #text, p{  
    color:rgb(109, 158, 83)  
}
```

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, 158, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 158, 83) }
```

Border

The CSS property to change the border of an element to XYZ 20.0949, 28.3295, 12.5926 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, 158, 83) }
```


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

```
.border{ border-color:rgb(109, 158, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 158, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 158, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 158, 83);  
box-shadow:4px 4px 4px 4px rgb(109, 158,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0949, 28.3295, 12.5926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 158, 83) }
```

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

```
.background{ background-color: rgb(109,  
158, 83) }
```

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