

Converting Colors

XYZ(13.3020, 23.4349, 9.0806)

Have a look what the booklet for
XYZ(13.3020, 23.4349, 9.0806)
contains.

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Color

**XYZ(13.2801, 23.3972,
9.1264)**

Conversions

Conversions Part 1

Format	Color
Hex	2C9843
RGB	44, 152, 67
RGB Percent	17%, 60%, 26%
CMY	0.8274, 0.4039, 0.7372
CMYK	0.71, 0.00, 0.56, 0.40
HSL	133°, 55%, 38%
HSV	133°, 71%, 60%
XYZ	13.2801, 23.3972, 9.1264
YIQ	110.0180, -37.0830, -49.3310

Conversions

Conversions Part 2

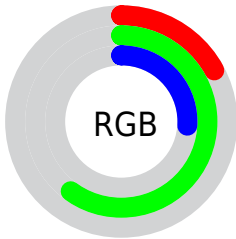
Format	Color
R_{YB}	44, 133, 152
Decimal	2922563
CIE _{Lab}	55.48, -48.65, 35.71
CIE _{LCh}	55, 60.349, 143.717
Yxy	23.3972, 0.2899, 0.5108
Android (android.graphics.Color)	4281112643 (0xFF2C9843)
YUV	110.0180, -21.2079, -57.8978
Hunter-Lab	48.3707, -35.6417, 22.6728

Details

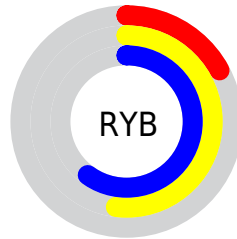
The XYZ color **13.2801, 23.3972, 9.1264** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.8128, 10.0622, 21.7730**, and the grayscale version is **14.8933, 15.6689, 17.0635**.

A 20% lighter version of the original color is **31.3494, 48.9133, 24.6185**, and **4.6664, 9.1580, 2.0940** is the 20% darker color. If you saturate the color by 10%, you get **12.4203, 22.9919, 7.4027**, and if you desaturate by 10%, it is **14.4544, 23.9574, 11.2530**.

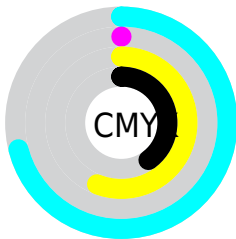
Distribution



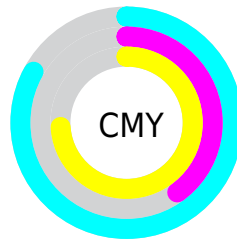
- Red (17%)
- Green (60%)
- Blue (26%)



- Red (17%)
- Yellow (52%)
- Blue (60%)



- Cyan (71%)
- Magenta (0%)
- Yellow (56%)
- Black (40%)



- Cyan (83%)
- Magenta (40%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2801, 23.3972, 9.1264 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 13.2801, 23.3972, 9.1264 by changing the saturation by 10% instead.

■ 13.2801, 23.3972,
9.1264

■ 13.2801, 23.3972,
9.1264

206.3066,
269.7586, 194.5707

■ 7.7000, 14.8871,
4.7258

■ 31.4031, 49.0447,
24.7204

■ 3.9538, 8.7402,
2.0314

■ 44.6768, 66.9509,
36.7509

■ 1.6760, 4.5721,
0.5745

■ 61.2457, 88.7579,
52.1618

■ 0.4412, 1.9985,
0.0000

■ 81.4753, 114.8500,
71.3716

■ 0.0000, 0.6066,
0.0000

■ 105.7308,
145.6118, 94.7988

■ 0.0000, 0.0000,
0.0000

■ 134.3776,

181.4275, 122.8621

167.7811,
222.6817, 155.9799

■ 13.2801, 23.3972,
9.1264

■ 13.2801, 23.3972,
9.1264

■ 12.4203, 22.9919,
7.4027

■ 14.4544, 23.9574,
11.2530

■ 11.8411, 22.7226,
6.0547

■ 15.9691, 24.6833,
13.8041

■ 11.4945, 22.5637,
5.1425

■ 17.8494, 25.5883,
16.8018

■ 20.1175, 26.6832,
20.2660

■ 22.7938, 27.9782,
24.2156

■ 25.8974, 29.4829,
28.6682

■ 29.4460, 31.2059,
33.6408

■ 33.4564, 33.1555,
39.1494

■ 37.9445, 35.3397,
45.2094

Harmonies

Analogous

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



17.3854, 23.3972, 4.2773



13.2801, 23.3972, 9.1264



11.6139, 23.3972, 21.5954

Triad

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



13.2801, 23.3972, 9.1264



20.8387, 23.3972, 83.7205



36.4762, 23.3972, 13.1927

Complementary

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



13.2801, 23.3972, 9.1264



17.8128, 10.0622, 21.7730

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.



37.9207, 23.3972, 29.7947



13.2801, 23.3972, 9.1264



27.9194, 23.3972, 77.3969

Square

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



13.2801, 23.3972, 9.1264



15.3670, 23.3972, 69.1196



34.5231, 23.3972, 54.6604



30.9025, 23.3972, 5.6488

Rectangle

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



13.2801, 23.3972, 9.1264



11.8058, 23.3972, 35.4205



34.5231, 23.3972, 54.6604



37.5023, 23.3972, 17.5917

Sweetspot

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



13.2807, 23.3982, 9.1269



40.0505, 49.2947, 42.4776



20.9511, 27.4170, 6.5708



8.8177, 11.0659, 9.2378



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.2807, 23.3982, 9.1269



21.2926, 40.2874, 11.6545



15.6336, 24.3393, 21.5171



6.1833, 6.9461, 6.8888



9.6473, 18.9224, 4.3634



0.1556, 0.2874, 0.1253

Inverse Universe

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



17.8128, 10.0622, 21.7730



29.7226, 15.2502, 35.0058



15.1687, 9.0046, 7.8496



6.4049, 6.3011, 7.5121



13.6927, 6.7313, 15.4385



0.2173, 0.1057, 0.2971

Previews

White Background



This preview shows how the XYZ color 13.2801, 23.3972, 9.1264 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 13.2801, 23.3972, 9.1264 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 13.2801, 23.3972, 9.1264

Background



This preview shows how black text looks on a background with the XYZ color 13.2801, 23.3972, 9.1264.



This preview shows how white text looks on a background with the XYZ color 13.2801, 23.3972,

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

13.2801, 23.3972, 9.1264

Protanopia

20.9476, 22.9504, 7.7407

Deuteranopia

23.3948, 22.9932, 9.6837



Tritanopia

18.3277, 23.3557, 34.1140

Trichromacy



Original Color

13.2801, 23.3972, 9.1264



Protanomaly

16.4365, 22.0753, 8.0973



Deuteranomaly

17.2725, 21.6344, 9.2267



Tritanomaly

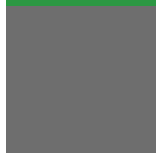
15.7783, 22.9870, 22.0177

Monochromacy



Original Color

13.2801, 23.3972, 9.1264



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.1917, 17.4538, 13.2633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2801, 23.3972, 9.1264 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(44, 152, 67)` looks like.

```
.text, #text, p{  
    color:rgb(44, 152, 67)  
}
```

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(44, 152, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 152, 67) }
```

Border

The CSS property to change the border of an element to XYZ 13.2801, 23.3972, 9.1264 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(44, 152, 67) }
```


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

```
.border{ border-color:rgb(44, 152, 67) }
```

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

Here you see how a box with a 4 pixel rgb(44, 152, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 152, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 152, 67);  
box-shadow:4px 4px 4px 4px rgb(44, 152,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2801, 23.3972, 9.1264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 152, 67) }
```

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

```
.background{ background-color: rgb(44, 152,  
67) }
```

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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