

Converting Colors

XYZ(13.0536, 21.7193, 8.4557)

Have a look what the booklet for
XYZ(13.0536, 21.7193, 8.4557)
contains.

XYZ(13.0040, 21.6246, 8.4896)	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(13.0040, 21.6246,
8.4896)**

Conversions

Conversions Part 1

Format	Color
Hex	3D9141
RGB	61, 145, 65
RGB Percent	24%, 57%, 25%
CMY	0.7608, 0.4314, 0.7451
CMYK	0.58, 0.00, 0.55, 0.43
HSL	123°, 41%, 40%
HSV	123°, 58%, 57%
XYZ	13.0040, 21.6246, 8.4896
YIQ	110.7640, -24.3840, -42.6880

Conversions

Conversions Part 2

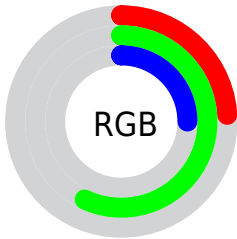
Format	Color
RYB	61, 141, 145
Decimal	4034881
CIELab	53.63, -42.47, 34.60
CIElCh	54, 54.784, 140.829
Yxy	21.6246, 0.3016, 0.5015
Android (android.graphics.Color)	4282224961 (0xFF3D9141)
YUV	110.7640, -22.5617, -43.6430
Hunter-Lab	46.5023, -31.4628, 21.7274

Details

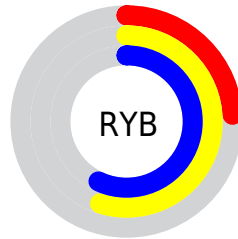
The XYZ color **13.0040, 21.6246, 8.4896** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.1541, 11.2806, 26.4202**, and the grayscale version is **15.1098, 15.8967, 17.3115**.

A 20% lighter version of the original color is **30.9512, 46.2594, 23.5173**, and **4.0079, 7.8661, 1.7973** is the 20% darker color. If you saturate the color by 10%, you get **11.8770, 21.0850, 6.5981**, and if you desaturate by 10%, it is **14.4712, 22.3296, 10.9086**.

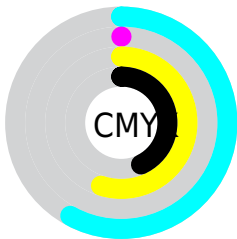
Distribution



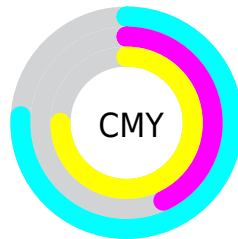
- Red (24%)
- Green (57%)
- Blue (25%)



- Red (24%)
- Yellow (55%)
- Blue (57%)



- Cyan (58%)
- Magenta (0%)
- Yellow (55%)
- Black (43%)



- Cyan (76%)
- Magenta (43%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0040, 21.6246, 8.4896 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 13.0040, 21.6246, 8.4896 by changing the saturation by 10% instead.

■ 13.0040, 21.6246,
8.4896

■ 13.0040, 21.6246,
8.4896

204.5804,
260.5795, 189.5990

■ 7.5083, 13.5813,
4.3176

■ 30.9122, 46.1248,
23.4746

■ 3.8311, 7.8301,
1.8011

■ 44.0555, 63.3504,
35.1247

■ 1.6070, 3.9864,
0.4287

■ 60.4786, 84.4057,
50.1045

■ 0.3970, 1.6660,
0.0000

■ 80.5470, 109.6749,
68.8327

■ 0.0000, 0.4015,
0.0000

■ 104.6261,
139.5425, 91.7276

■ 0.0000, 0.0000,
0.0000

133.0811,

174.3929, 119.2080

166.2774,
214.6104, 151.6923

■ 13.0040, 21.6246,
8.4896

■ 13.0040, 21.6246,
8.4896

■ 11.8770, 21.0850,
6.5981

■ 14.4712, 22.3296,
10.9086

■ 11.0615, 20.6948,
5.1935

■ 16.3014, 23.2090,
13.8888

■ 10.5265, 20.4397,
4.2315

■ 18.5171, 24.2744,
17.4628

■ 10.2169, 20.2925,
3.6587

■ 21.1385, 25.5357,
21.6605

■ 10.1637, 20.2669,
3.5746

■ 24.1846, 27.0018,
26.5096

■ 27.6731, 28.6814,
32.0360

■ 31.6205, 30.5827,
38.2646

■ 36.0428, 32.7131,
45.2186

■ 40.9549, 35.0800,
52.9204

Harmonies

Analogous

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



16.8053, 21.6246, 4.4405



13.0040, 21.6246, 8.4896



11.3238, 21.6246, 18.7725

Triad

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



13.0040, 21.6246, 8.4896



18.8113, 21.6246, 71.8596



32.9706, 21.6246, 13.8425

Complementary

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



13.0040, 21.6246, 8.4896



18.1541, 11.2806, 26.4202

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.



33.7882, 21.6246, 29.0659



13.0040, 21.6246, 8.4896



24.8213, 21.6246, 68.3524

Square

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



13.0040, 21.6246, 8.4896



14.2322, 21.6246, 58.4214



30.5729, 21.6246, 50.3397



28.5143, 21.6246, 6.3534

Rectangle

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



13.0040, 21.6246, 8.4896



11.3619, 21.6246, 30.1362



30.5729, 21.6246, 50.3397



33.7094, 21.6246, 17.9935

Sweetspot

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



13.0045, 21.6255, 8.4901



38.1483, 45.8701, 39.2584



22.1583, 26.3574, 8.3345



8.2910, 10.1102, 8.4212



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.0045, 21.6255, 8.4901



20.6928, 37.4825, 10.8327



14.6415, 22.2803, 17.1105



5.3527, 6.0333, 5.8229



8.7202, 17.3839, 3.0807



0.0850, 0.1669, 0.0382

Inverse Universe

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



18.1541, 11.2806, 26.4202



30.8415, 17.0626, 46.1446



15.6563, 10.2815, 13.2671



5.6153, 5.5067, 6.7382



13.9591, 6.7407, 21.2337



0.1357, 0.0653, 0.2147

Previews

White Background



This preview shows how the XYZ color 13.0040, 21.6246, 8.4896 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 13.0040, 21.6246, 8.4896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

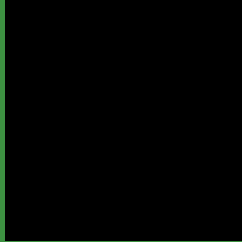
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0040, 21.6246, 8.4896

Background



This preview shows how black text looks on a background with the XYZ color 13.0040, 21.6246, 8.4896.



This preview shows how white text looks on a background with the XYZ color 13.0040, 21.6246,

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

13.0040, 21.6246, 8.4896

Protanopia

19.4931, 21.4168, 7.2441

Deuteranopia

21.4923, 21.0982, 8.9008



Tritanopia

17.4640, 21.4642, 30.8263

Trichromacy



Original Color

13.0040, 21.6246, 8.4896

Protanomaly

16.0495, 20.8319, 7.5899

Deuteranomaly

16.9420, 20.4599, 8.6864

Tritanomaly

15.2675, 21.2054, 20.1180

Monochromacy



Original Color

13.0040, 21.6246, 8.4896

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.6175, 17.3012, 13.2114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0040, 21.6246, 8.4896 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(61, 145, 65)` looks like.

```
.text, #text, p{  
    color:rgb(61, 145, 65)  
}
```

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(61, 145, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 145, 65) }
```

Border

The CSS property to change the border of an element to XYZ 13.0040, 21.6246, 8.4896 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(61, 145, 65) }
```


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

```
.border{ border-color:rgb(61, 145, 65) }
```

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

Here you see how a box with a 4 pixel rgb(61, 145, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 145, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 145, 65);  
box-shadow:4px 4px 4px 4px rgb(61, 145,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0040, 21.6246, 8.4896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 145, 65) }
```

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

```
.background{ background-color: rgb(61, 145,  
65) }
```

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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