

Converting Colors

XYZ(13.0616, 18.5621, 21.9632)

Have a look what the booklet for
XYZ(13.0616, 18.5621, 21.9632)
contains.

XYZ(13.0616, 18.5621, 21.9632)	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(13.0616, 18.5621,
21.9632)**

Conversions

Conversions Part 1

Format	Color
Hex	2F847C
RGB	47, 132, 124
RGB Percent	18%, 52%, 49%
CMY	0.8157, 0.4823, 0.5137
CMYK	0.64, 0.00, 0.06, 0.48
HSL	174°, 47%, 35%
HSV	174°, 64%, 52%
XYZ	13.0616, 18.5621, 21.9632
YIQ	105.6730, -48.0920, -20.5080

Conversions

Conversions Part 2

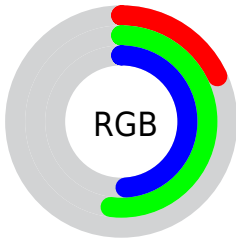
Format	Color
RYB	47, 92, 132
Decimal	3114108
CIELab	50.17, -27.20, -3.21
CIELCh	50, 27.386, 186.723
Yxy	18.5621, 0.2437, 0.3464
Android (android.graphics.Color)	4281304188 (0xFF2F847C)
YUV	105.6730, 9.0352, -51.4562
Hunter-Lab	43.0838, -21.2812, -0.0662

Details

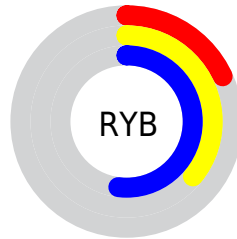
The XYZ color **13.0616, 18.5621, 21.9632** is a dark color, and the websafe version is hex **339999**, and the color name is **celadon green**. A complement of this color would be **11.2224, 7.2148, 4.4161**, and the grayscale version is **13.5962, 14.3042, 15.5773**.

A 20% lighter version of the original color is **31.1043, 41.1955, 47.3864**, and **4.2873, 6.5426, 7.6935** is the 20% darker color. If you saturate the color by 10%, you get **12.4648, 18.2639, 21.5280**, and if you desaturate by 10%, it is **13.8446, 18.9570, 22.4131**.

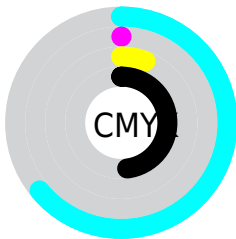
Distribution



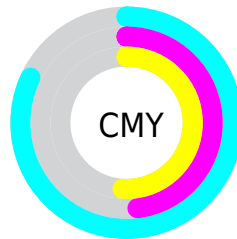
- Red (18%)
- Green (52%)
- Blue (49%)



- Red (18%)
- Yellow (36%)
- Blue (52%)



- Cyan (64%)
- Magenta (0%)
- Yellow (6%)
- Black (48%)



- Cyan (82%)
- Magenta (48%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0616, 18.5621, 21.9632 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 13.0616, 18.5621, 21.9632 by changing the saturation by 10% instead.

■ 13.0616, 18.5621,
21.9632

■ 13.0616, 18.5621,
21.9632

204.9417,
244.0205, 275.3013

■ 7.5483, 11.3543,
13.6318

■ 31.0148, 40.9928,
47.5866

■ 3.8566, 6.3057,
7.7292

■ 44.1853, 56.9845,
65.7156

■ 1.6214, 3.0318,
3.8369

■ 60.6390, 76.6730,
87.9477

■ 0.4063, 1.1484,
1.5363

■ 80.7412, 100.4426,
114.7012

■ 0.0000, 0.0189,
0.2447

■ 104.8572,
128.6778, 146.3948

■ 0.0000, 0.0000,
0.0000

■ 133.3524,

161.7629, 183.4470

166.5921,
200.0823, 226.2763

■ 13.0616, 18.5621,
21.9632

■ 13.0616, 18.5621,
21.9632

■ 12.4648, 18.2639,
21.5280

■ 13.8446, 18.9570,
22.4131

■ 12.0354, 18.0514,
21.1054

■ 14.8272, 19.4544,
22.8771

■ 11.7510, 17.9136,
20.6947

■ 16.0236, 20.0617,
23.3564

■ 11.6161, 17.8490,
20.4678

■ 17.4460, 20.7855,
23.8514

■ 19.1058, 21.6316,
24.3628

■ 21.0136, 22.6054,
24.8910

■ 23.1796, 23.7121,
25.4367

■ 25.6129, 24.9566,
26.0001

■ 28.3227, 26.3435,
26.5818

Harmonies

Analogous

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



13.3740, 18.5621, 14.9877



13.0616, 18.5621, 21.9632



13.8747, 18.5621, 30.2228

Triad

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



13.0616, 18.5621, 21.9632



20.8593, 18.5621, 34.2656



19.7282, 18.5621, 9.5725

Complementary

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



13.0616, 18.5621, 21.9632



11.2224, 7.2148, 4.4161

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.



22.0377, 18.5621, 12.6975



13.0616, 18.5621, 21.9632



22.7350, 18.5621, 26.5255

Square

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



13.0616, 18.5621, 21.9632



18.2444, 18.5621, 38.3852



23.1864, 18.5621, 18.5545



17.0544, 18.5621, 8.9285

Rectangle

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



13.0616, 18.5621, 21.9632



14.9986, 18.5621, 34.9843



23.1864, 18.5621, 18.5545



20.5807, 18.5621, 10.3215

Sweetspot

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



13.0621, 18.5628, 21.9636



32.1289, 37.3251, 42.4565



10.3679, 17.5349, 5.5277



7.3149, 8.6058, 9.8330



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.0621, 18.5628, 21.9636



21.5943, 31.9910, 37.5953



9.7053, 11.0062, 23.4435



4.7832, 5.2715, 5.8697



11.2479, 17.2820, 19.8227



0.0403, 0.0604, 0.0759

Inverse Universe

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



11.2224, 7.2148, 4.4161



18.1098, 10.3567, 4.2556



12.9718, 10.9962, 4.1284



4.6891, 4.6953, 4.9750



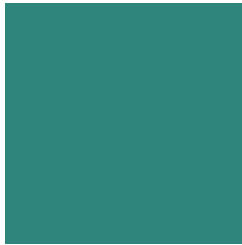
9.2814, 4.7769, 0.7885



0.0332, 0.0170, 0.0084

Previews

White Background



This preview shows how the XYZ color 13.0616, 18.5621, 21.9632 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 13.0616, 18.5621, 21.9632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

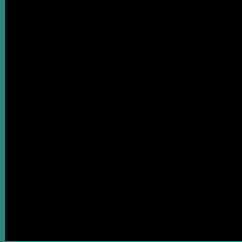
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0616, 18.5621, 21.9632

Background



This preview shows how black text looks on a background with the XYZ color 13.0616, 18.5621, 21.9632.



This preview shows how white text looks on a background with the XYZ color 13.0616, 18.5621,

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

13.0616, 18.5621, 21.9632

Protanopia

17.5160, 18.2828, 19.1287

Deuteranopia

18.6312, 18.2556, 22.9638



Tritanopia

14.2376, 18.6430, 27.6590

Trichromacy



Original Color

13.0616, 18.5621, 21.9632

Protanomaly

15.0288, 17.8775, 20.1114

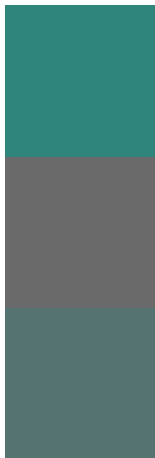
Deuteranomaly

15.5979, 17.7484, 22.6824

Tritanomaly

13.7846, 18.6576, 25.4290

Monochromacy



Original Color

13.0616, 18.5621, 21.9632

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.8577, 15.3850, 17.9147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0616, 18.5621, 21.9632 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(47, 132, 124)` looks like.

```
.text, #text, p{  
    color:rgb(47, 132, 124)  
}
```

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(47, 132, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 132, 124) }
```

Border

The CSS property to change the border of an element to XYZ 13.0616, 18.5621, 21.9632 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(47, 132, 124) }
```


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

```
.border{ border-color:rgb(47, 132, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 132, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 132, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 132, 124);  
box-shadow:4px 4px 4px 4px rgb(47, 132,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0616, 18.5621, 21.9632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 132, 124) }
```

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

```
.background{ background-color: rgb(47, 132,  
124) }
```

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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