

Converting Colors

XYZ(13.1695, 18.1687, 24.1206)

Have a look what the booklet for
XYZ(13.1695, 18.1687, 24.1206)
contains.

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Color

**XYZ(13.2061, 18.1848,
24.2867)**

Conversions

Conversions Part 1

Format	Color
Hex	2E8283
RGB	46, 130, 131
RGB Percent	18%, 51%, 51%
CMY	0.8196, 0.4902, 0.4863
CMYK	0.65, 0.01, 0.00, 0.49
HSL	181°, 48%, 35%
HSV	181°, 65%, 51%
XYZ	13.2061, 18.1848, 24.2867
YIQ	104.9980, -50.3850, -17.4970

Conversions

Conversions Part 2

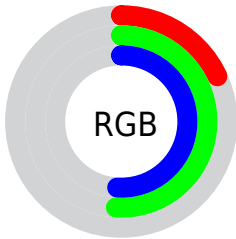
Format	Color
RYB	46, 88, 131
Decimal	3048067
CIELab	49.72, -24.30, -7.98
CIElCh	50, 25.581, 198.183
Yxy	18.1848, 0.2372, 0.3266
Android (android.graphics.Color)	4281238147 (0xFF2E8283)
YUV	104.9980, 12.8190, -51.7412
Hunter-Lab	42.6436, -19.3476, -3.9167

Details

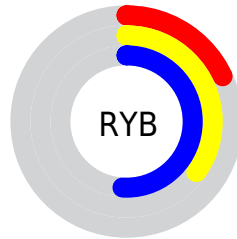
The XYZ color **13.2061, 18.1848, 24.2867** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.8701, 7.0560, 3.3743**, and the grayscale version is **13.4035, 14.1015, 15.3566**.

A 20% lighter version of the original color is **31.1787, 40.2112, 51.4657**, and **4.3917, 6.3465, 8.9762** is the 20% darker color. If you saturate the color by 10%, you get **12.6834, 17.8854, 24.2568**, and if you desaturate by 10%, it is **13.9101, 18.5785, 24.3259**.

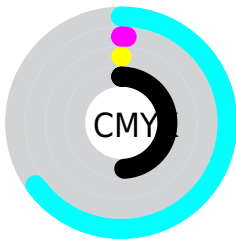
Distribution



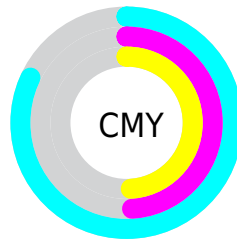
- Red (18%)
- Green (51%)
- Blue (51%)



- Red (18%)
- Yellow (35%)
- Blue (51%)



- Cyan (65%)
- Magenta (1%)
- Yellow (0%)
- Black (49%)



- Cyan (82%)
- Magenta (49%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2061, 18.1848, 24.2867 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 13.2061, 18.1848, 24.2867 by changing the saturation by 10% instead.

■ 13.2061, 18.1848,
24.2867

■ 13.2061, 18.1848,
24.2867

205.8454,
241.9106, 287.5999

■ 7.6486, 11.0827,
15.3323

■ 31.2717, 40.3520,
51.4473

■ 3.9208, 6.1225,
8.9037

■ 44.5106, 56.1859,
70.4906

■ 1.6574, 2.9197,
4.5825

■ 61.0406, 75.6992,
93.7339

■ 0.4294, 1.0900,
1.9500

■ 81.2271, 99.2763,
121.5958

■ 0.0000, 0.0000,
0.5243

■ 105.4355,
127.3016, 154.4948

■ 0.0000, 0.0000,
0.0000

■ 134.0311,

160.1595, 192.8494

167.3792,
198.2344, 237.0783

■ 13.2061, 18.1848,
24.2867

■ 13.2061, 18.1848,
24.2867

■ 12.6834, 17.8854,
24.2568

■ 13.9101, 18.5785,
24.3259

■ 12.3233, 17.6694,
24.2341

■ 14.8085, 19.0722,
24.3739

■ 12.1023, 17.5252,
24.2179

■ 15.9154, 19.6733,
24.4315

■ 12.0080, 17.4611,
24.2105

■ 17.2427, 20.3881,
24.4996

■ 18.8018, 21.2225,
24.5784

■ 20.6031, 22.1817,
24.6686

■ 22.6564, 23.2710,
24.7707

■ 24.9710, 24.4949,
24.8849

■ 27.5557, 25.8582,
25.0118

Harmonies

Analogous

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



13.0939, 18.1848, 17.1788



13.2061, 18.1848, 24.2867



14.3462, 18.1848, 31.5708

Triad

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



13.2061, 18.1848, 24.2867



21.0141, 18.1848, 30.1553



18.2609, 18.1848, 9.3608

Complementary

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



13.2061, 18.1848, 24.2867



10.8701, 7.0560, 3.3743

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.



20.5980, 18.1848, 11.3929



13.2061, 18.1848, 24.2867



22.2845, 18.1848, 22.6754

Square

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



13.2061, 18.1848, 24.2867



18.7869, 18.1848, 35.4694



22.1255, 18.1848, 15.9033



15.8637, 18.1848, 9.5966

Rectangle

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



13.2061, 18.1848, 24.2867



15.6016, 18.1848, 35.0421



22.1255, 18.1848, 15.9033



19.0834, 18.1848, 9.7772

Sweetspot

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



13.2066, 18.1855, 24.2871



32.3447, 37.2965, 43.9473



9.7366, 17.0111, 5.3556



7.3714, 8.5982, 10.2238



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.



13.2066, 18.1855, 24.2871



22.3614, 31.8205, 43.4166



8.7549, 9.2820, 22.8032



4.7971, 5.2697, 5.9651



11.8200, 17.1878, 23.8313



0.0413, 0.0603, 0.0827

Inverse Universe

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



14.3668, 8.3915, 21.9823



24.6300, 12.8763, 38.8632



13.3846, 12.0850, 4.2125



4.8556, 4.7619, 5.8519



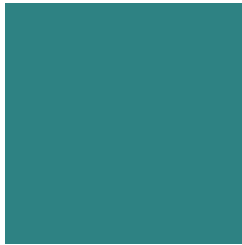
13.1443, 6.3221, 21.1301



0.0457, 0.0220, 0.0742

Previews

White Background



This preview shows how the XYZ color 13.2061, 18.1848, 24.2867 looks on a white 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

Black Background



This preview shows how the XYZ color 13.2061, 18.1848, 24.2867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

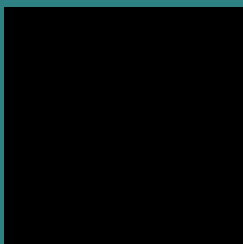
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.2061, 18.1848, 24.2867

Background



This preview shows how black text looks on a background with the XYZ color 13.2061, 18.1848, 24.2867.



This preview shows how white text looks on a background with the XYZ color 13.2061, 18.1848,

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

13.2061, 18.1848, 24.2867

Protanopia

17.4077, 18.0042, 21.2966

Deuteranopia

18.3190, 18.0476, 25.0723



Tritanopia

13.8258, 18.2427, 27.2186

Trichromacy



Original Color

13.2061, 18.1848, 24.2867

Protanomaly

15.1391, 17.7007, 22.3573

Deuteranomaly

15.5662, 17.5061, 24.7489

Tritanomaly

13.5608, 18.1311, 26.0775

Monochromacy



Original Color

13.2061, 18.1848, 24.2867

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7107, 15.1344, 18.1709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2061, 18.1848, 24.2867 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(46, 130, 131)` looks like.

```
.text, #text, p{  
    color:rgb(46, 130, 131)  
}
```

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(46, 130, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 130, 131) }
```

Border

The CSS property to change the border of an element to XYZ 13.2061, 18.1848, 24.2867 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(46, 130, 131) }
```


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

```
.border{ border-color:rgb(46, 130, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 130, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 130, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 130, 131);  
box-shadow:4px 4px 4px 4px rgb(46, 130,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2061, 18.1848, 24.2867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 130, 131) }
```

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

```
.background{ background-color: rgb(46, 130,  
131) }
```

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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