

Converting Colors

XYZ(18.0547, 32.0757, 17.2766)

Have a look what the booklet for
XYZ(18.0547, 32.0757, 17.2766)
contains.

XYZ(18.0750, 32.0994, 17.2997)	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(18.0750, 32.0994,
17.2997)**

Conversions

Conversions Part 1

Format	Color
Hex	12B064
RGB	18, 176, 100
RGB Percent	7%, 69%, 39%
CMY	0.9294, 0.3098, 0.6078
CMYK	0.90, 0.00, 0.43, 0.31
HSL	151°, 81%, 38%
HSV	151°, 90%, 69%
XYZ	18.0750, 32.0994, 17.2997
YIQ	120.0940, -69.7720, -57.1320

Conversions

Conversions Part 2

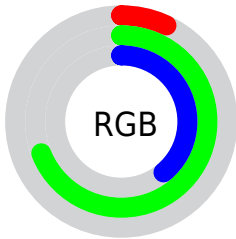
Format	Color
RYB	18, 122, 176
Decimal	1224804
CIELab	63.42, -54.82, 28.62
CIELCh	63, 61.838, 152.435
Yxy	32.0994, 0.2679, 0.4757
Android (android.graphics.Color)	4279414884 (0xFF12B064)
YUV	120.0940, -9.9063, -89.5364
Hunter-Lab	56.6563, -42.2019, 21.5556

Details

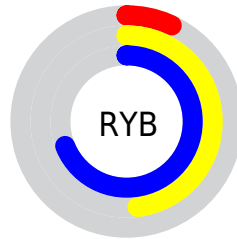
The XYZ color **18.0750, 32.0994, 17.2997** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.1421, 10.4714, 11.5502**, and the grayscale version is **17.9301, 18.8639, 20.5428**.

A 20% lighter version of the original color is **39.7362, 63.0862, 39.7883**, and **7.5794, 14.1670, 5.5838** is the 20% darker color. If you saturate the color by 10%, you get **17.4425, 31.8191, 15.2415**, and if you desaturate by 10%, it is **18.9715, 32.5126, 19.5940**.

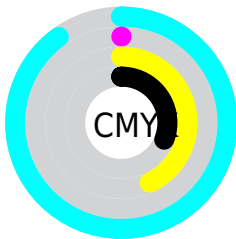
Distribution



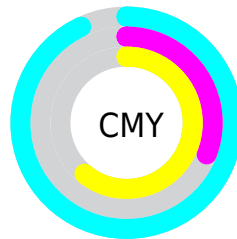
- Red (7%)
- Green (69%)
- Blue (39%)



- Red (7%)
- Yellow (48%)
- Blue (69%)



- Cyan (90%)
- Magenta (0%)
- Yellow (43%)
- Black (31%)



- Cyan (93%)
- Magenta (31%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0750, 32.0994, 17.2997 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 18.0750, 32.0994, 17.2997 by changing the saturation by 10% instead.

■ 18.0750, 32.0994,
17.2997

■ 18.0750, 32.0994,
17.2997

234.3309,
311.5718, 248.9957

■ 11.1039, 21.4374,
10.2842

■ 39.6942, 62.9669,
39.6380

■ 6.2045, 13.4441,
5.4797

■ 55.0729, 83.9412,
55.7979

■ 3.0117, 7.7351,
2.4678

■ 73.9849, 109.1217,
75.8431

■ 1.1599, 3.9259,
0.8230

■ 96.7955, 138.8929,
100.1919

■ 0.0744, 1.6322,
0.0000

■ 123.8700,
173.6391, 129.2631

■ 0.0000, 0.3792,
0.0000

■ 155.5738,

■ 0.0000, 0.0000,

213.7447, 163.4751

0.0000

192.2723,
259.5942, 203.2465

■ 18.0750, 32.0994,
17.2997

■ 18.0750, 32.0994,
17.2997

■ 17.4425, 31.8191,
15.2415

■ 18.9715, 32.5126,
19.5940

■ 17.4291, 31.8132,
15.1970

■ 20.2119, 33.0971,
22.1324

■ 21.8374, 33.8750,
24.9239

■ 23.8826, 34.8639,
27.9761

■ 26.3779, 36.0794,
31.2960

■ 29.3507, 37.5355,
34.8906

■ 32.8264, 39.2451,
38.7664

■ 36.8283, 41.2201,
42.9296

■ 41.3783, 43.4718,
47.3865

Harmonies

Analogous

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



22.4736, 32.0994, 8.2843



18.0750, 32.0994, 17.2997



16.7933, 32.0994, 37.0012

Triad

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



18.0750, 32.0994, 17.2997



31.2173, 32.0994, 106.8092



46.6985, 32.0994, 15.2098

Complementary

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



18.0750, 32.0994, 17.2997



20.1421, 10.4714, 11.5502

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.



50.1876, 32.0994, 32.9775



18.0750, 32.0994, 17.2997



40.2635, 32.0994, 92.0788

Square

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



18.0750, 32.0994, 17.2997



23.4806, 32.0994, 95.9695



47.6377, 32.0994, 61.7592



38.8175, 32.0994, 7.5375

Rectangle

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



18.0750, 32.0994, 17.2997



17.6374, 32.0994, 56.3136



47.6377, 32.0994, 61.7592



48.4843, 32.0994, 19.8161

Sweetspot

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



18.0758, 32.1007, 17.3004



54.5970, 68.7454, 64.8476



20.2893, 33.4949, 5.9682



11.4083, 14.6902, 13.5647



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.0758, 32.1007, 17.3004



31.4940, 57.6502, 26.9538



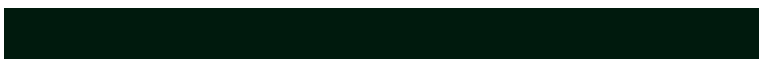
23.1009, 33.2925, 46.2845



8.5670, 9.5613, 9.9793



12.8173, 23.3529, 11.3065



0.4326, 0.7465, 0.5100

Inverse Universe

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



20.1421, 10.4714, 11.5502



35.3089, 17.8748, 16.4538



18.2760, 9.7972, 1.5002



8.6609, 8.5711, 9.7129



14.3593, 7.2613, 7.0522



0.4813, 0.2403, 0.3774

Previews

White Background



This preview shows how the XYZ color 18.0750, 32.0994, 17.2997 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 18.0750, 32.0994, 17.2997 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 ✓ Pass

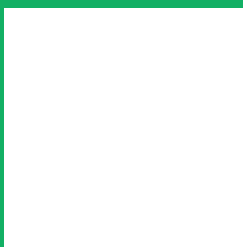
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0750, 32.0994, 17.2997

Background



This preview shows how black text looks on a background with the XYZ color 18.0750, 32.0994, 17.2997.



This preview shows how white text looks on a background with the XYZ color 18.0750, 32.0994,

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

18.0750, 32.0994, 17.2997

Protanopia

29.0529, 31.4273, 14.4324

Deuteranopia

31.9888, 31.4431, 18.2930



Tritanopia

24.3717, 32.1260, 48.0964

Trichromacy



Original Color

18.0750, 32.0994, 17.2997



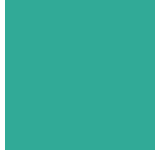
Protanomaly

21.5753, 29.8086, 15.2062



Deuteranomaly

22.5817, 29.2510, 17.5525



Tritanomaly

21.2273, 31.6368, 34.2659

Monochromacy



Original Color

18.0750, 32.0994, 17.2997



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.9260, 21.7874, 18.9888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0750, 32.0994, 17.2997 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(18, 176, 100)` looks like.

```
.text, #text, p{  
    color:rgb(18, 176, 100)  
}
```

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(18, 176, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 176, 100) }
```

Border

The CSS property to change the border of an element to XYZ 18.0750, 32.0994, 17.2997 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(18, 176, 100) }
```


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

```
.border{ border-color:rgb(18, 176, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 176, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 176, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 176, 100);  
box-shadow:4px 4px 4px 4px rgb(18, 176,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0750, 32.0994, 17.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 176, 100) }
```

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

```
.background{ background-color: rgb(18, 176,  
100) }
```

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