

Converting Colors

XYZ(18.7277, 30.7728, 25.8560)

Have a look what the booklet for
XYZ(18.7277, 30.7728, 25.8560)
contains.

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Color

**XYZ(18.7224, 30.8124,
25.7295)**

Conversions

Conversions Part 1

Format	Color
Hex	0FAB81
RGB	15, 171, 129
RGB Percent	6%, 67%, 51%
CMY	0.9411, 0.3294, 0.4941
CMYK	0.91, 0.00, 0.25, 0.33
HSL	164°, 84%, 36%
HSV	164°, 91%, 67%
XYZ	18.7224, 30.8124, 25.7295
YIQ	119.5680, -79.4940, -46.1340

Conversions

Conversions Part 2

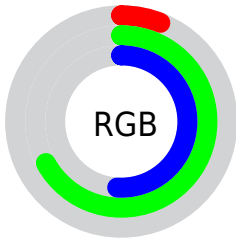
Format	Color
RYB	15, 105, 171
Decimal	1026945
CIELab	62.35, -46.79, 11.44
CIELCh	62, 48.166, 166.265
Yxy	30.8124, 0.2488, 0.4094
Android (android.graphics.Color)	4279217025 (0xFF0FAB81)
YUV	119.5680, 4.6500, -91.7061
Hunter-Lab	55.5089, -36.9350, 11.3741

Details

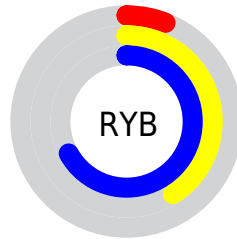
The XYZ color **18.7224, 30.8124, 25.7295** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.7051, 9.2959, 4.7341**, and the grayscale version is **17.7203, 18.6432, 20.3024**.

A 20% lighter version of the original color is **40.7365, 60.8024, 53.8450**, and **7.9264, 13.5361, 9.7844** is the 20% darker color. If you saturate the color by 10%, you get **18.2625, 30.6065, 24.3334**, and if you desaturate by 10%, it is **19.4383, 31.1461, 27.3977**.

Distribution



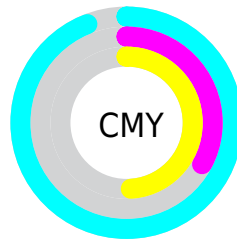
- Red (6%)
- Green (67%)
- Blue (51%)



- Red (6%)
- Yellow (41%)
- Blue (67%)



- Cyan (91%)
- Magenta (0%)
- Yellow (25%)
- Black (33%)



- Cyan (94%)
- Magenta (33%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7224, 30.8124, 25.7295 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 18.7224, 30.8124, 25.7295 by changing the saturation by 10% instead.

■ 18.7224, 30.8124,
25.7295

■ 18.7224, 30.8124,
25.7295

237.8796,
305.6731, 295.0148

■ 11.5727, 20.4560,
16.3974

■ 40.7850, 60.9446,
53.8170

■ 6.5235, 12.7270,
9.6484

■ 56.4286, 81.4892,
73.4094

■ 3.2096, 7.2408,
5.0639

■ 75.6342, 106.1987,
97.2591

■ 1.2656, 3.6132,
2.2254

■ 98.7671, 135.4575,
125.7846

■ 0.1572, 1.4596,
0.6890

■ 126.1928,
169.6499, 159.4043

■ 0.0000, 0.2600,
0.0000

■ 158.2765,

■ 0.0000, 0.0000,

209.1604, 198.5369

0.0000

195.3837,
254.3733, 243.6009

■ 18.7224, 30.8124,
25.7295

■ 18.7224, 30.8124,
25.7295

■ 18.2625, 30.6065,
24.3334

■ 19.4383, 31.1461,
27.3977

■ 20.4432, 31.6263,
29.1517

■ 21.7754, 32.2737,
30.9949

■ 23.4669, 33.1046,
32.9295

■ 25.5456, 34.1335,
34.9579

■ 28.0367, 35.3733,
37.0820

■ 30.9631, 36.8357,
39.3038

■ 34.3460, 38.5318,
41.6251

■ 38.2053, 40.4717,
44.0476

Harmonies

Analogous

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



21.1333, 30.8124, 14.3528



18.7224, 30.8124, 25.7295



18.8288, 30.8124, 44.6376

Triad

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



18.7224, 30.8124, 25.7295



32.9378, 30.8124, 81.1380



38.8314, 30.8124, 13.7262

Complementary

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



18.7224, 30.8124, 25.7295



17.7051, 9.2959, 4.7341

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.



43.0377, 30.8124, 24.4688



18.7224, 30.8124, 25.7295



39.3053, 30.8124, 64.9774

Square

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



18.7224, 30.8124, 25.7295



26.4106, 30.8124, 81.8789



43.2230, 30.8124, 42.8122



32.3634, 30.8124, 9.3691

Rectangle

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



18.7224, 30.8124, 25.7295



20.3001, 30.8124, 59.5692



43.2230, 30.8124, 42.8122



40.5961, 30.8124, 16.4841

Sweetspot

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



18.7232, 30.8136, 25.7302



52.0785, 64.2818, 67.8781



16.4659, 30.0977, 5.3941



11.2451, 14.1511, 14.8480



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.7232, 30.8136, 25.7302



32.6133, 54.7756, 43.0899



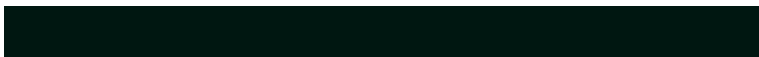
16.5231, 20.9918, 41.7105



8.1429, 9.0347, 9.7775



13.7895, 23.0811, 18.4630



0.4048, 0.6506, 0.6252

Inverse Universe

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



17.7051, 9.2959, 4.7341



30.8869, 15.8294, 5.6658



17.9720, 10.8737, 1.6041



8.0905, 8.0495, 8.7875



13.0524, 6.6835, 2.6554



0.3861, 0.1951, 0.1948

Previews

White Background



This preview shows how the XYZ color 18.7224, 30.8124, 25.7295 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 18.7224, 30.8124, 25.7295 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

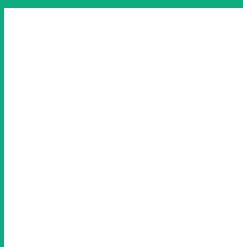
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7224, 30.8124, 25.7295

Background



This preview shows how black text looks on a background with the XYZ color 18.7224, 30.8124, 25.7295.



This preview shows how white text looks on a background with the XYZ color 18.7224, 30.8124,

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

18.7224, 30.8124, 25.7295

Protanopia

28.3753, 30.1977, 21.7860

Deuteranopia

30.7086, 30.1308, 27.1190



Tritanopia

23.1219, 30.9654, 46.8777

Trichromacy



Original Color

18.7224, 30.8124, 25.7295



Protanomaly

21.6955, 28.6698, 23.1292



Deuteranomaly

22.5993, 28.3154, 26.4646



Tritanomaly

21.0783, 30.6469, 38.0622

Monochromacy



Original Color

18.7224, 30.8124, 25.7295



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.2874, 21.6891, 22.0669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7224, 30.8124, 25.7295 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(15, 171, 129)` looks like.

```
.text, #text, p{  
  color:rgb(15, 171, 129)  
}
```

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(15, 171, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 171, 129) }
```

Border

The CSS property to change the border of an element to XYZ 18.7224, 30.8124, 25.7295 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(15, 171, 129) }
```


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

```
.border{ border-color:rgb(15, 171, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 171, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 171, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 171, 129);  
box-shadow:4px 4px 4px 4px rgb(15, 171,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7224, 30.8124, 25.7295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 171, 129) }
```

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

```
.background{ background-color: rgb(15, 171,  
129) }
```

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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