

Converting Colors

XYZ(18.1776, 25.7806, 20.0863)

Have a look what the booklet for
XYZ(18.1776, 25.7806, 20.0863)
contains.

XYZ(18.1033, 25.6498, 19.9164)	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(18.1033, 25.6498,
19.9164)**

Conversions

Conversions Part 1

Format	Color
Hex	569872
RGB	86, 152, 114
RGB Percent	34%, 60%, 45%
CMY	0.6627, 0.4039, 0.5529
CMYK	0.43, 0.00, 0.25, 0.40
HSL	145°, 28%, 47%
HSV	145°, 43%, 60%
XYZ	18.1033, 25.6498, 19.9164
YIQ	127.9340, -27.1380, -25.8100

Conversions

Conversions Part 2

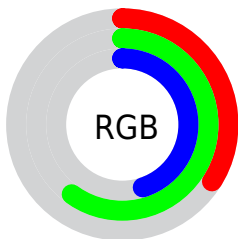
Format	Color
R_{YB}	86, 132, 152
Decimal	5675122
CIE _{Lab}	57.70, -30.01, 13.54
CIE _{LCh}	58, 32.921, 155.707
Yxy	25.6498, 0.2843, 0.4029
Android (android.graphics.Color)	4283865202 (0xFF569872)
YUV	127.9340, -6.8695, -36.7761
Hunter-Lab	50.6456, -24.8250, 12.1361

Details

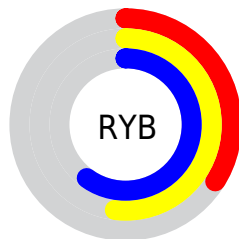
The XYZ color **18.1033, 25.6498, 19.9164** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.9157, 14.7869, 20.8744**, and the grayscale version is **20.5253, 21.5942, 23.5161**.

A 20% lighter version of the original color is **39.8432, 52.8678, 44.1809**, and **6.1677, 9.8310, 6.7268** is the 20% darker color. If you saturate the color by 10%, you get **16.3754, 24.8146, 17.3586**, and if you desaturate by 10%, it is **20.1779, 26.6597, 22.7404**.

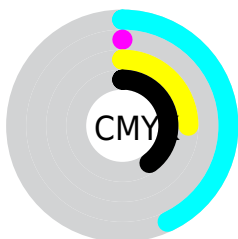
Distribution



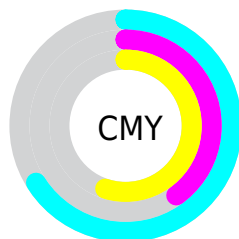
- Red (34%)
- Green (60%)
- Blue (45%)



- Red (34%)
- Yellow (52%)
- Blue (60%)



- Cyan (43%)
- Magenta (0%)
- Yellow (25%)
- Black (40%)



- Cyan (66%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1033, 25.6498, 19.9164 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 18.1033, 25.6498, 19.9164 by changing the saturation by 10% instead.

■ 18.1033, 25.6498,
19.9164

■ 18.1033, 25.6498,
19.9164

234.4870,
281.0587, 264.0514

■ 11.1243, 16.5618,
12.1508

■ 39.7420, 52.7094,
44.1341

■ 6.2184, 9.9226,
6.7227

■ 55.1324, 71.4499,
61.4233

■ 3.0203, 5.3477,
3.2135

■ 74.0573, 94.1767,
82.7241

■ 1.1645, 2.4527,
1.2046

■ 96.8821, 121.2741,
108.4551

■ 0.0781, 0.8528,
0.0000

■ 123.9721,
153.1267, 139.0348

■ 0.0000, 0.0000,
0.0000

155.6926,

190.1187, 174.8817

192.4092,
232.6346, 216.4144

■ 18.1033, 25.6498,
19.9164

■ 18.1033, 25.6498,
19.9164

■ 16.3754, 24.8146,
17.3586

■ 20.1779, 26.6597,
22.7404

■ 14.9717, 24.1404,
15.0574

■ 22.6159, 27.8505,
25.8364

■ 13.8704, 23.6170,
13.0049


■ 25.4350, 29.2320,
29.2122


■ 13.0456, 23.2310,
11.1925


■ 28.6516, 30.8125,
32.8748


■ 12.4670, 22.9672,
9.6105


■ 32.2807, 32.5995,
36.8309

 12.1679, 22.8331,
8.6889

 36.3367, 34.6005,
41.0869

 40.8333, 36.8222,
45.6491

 45.7835, 39.2714,
50.5236

 51.1998, 41.9543,
55.7162

Harmonies

Analogous

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



20.2180, 25.6498, 13.7506



18.1033, 25.6498, 19.9164



17.5888, 25.6498, 30.1429

Triad

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



18.1033, 25.6498, 19.9164



25.1409, 25.6498, 55.5727



31.0660, 25.6498, 17.0787

Complementary

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



18.1033, 25.6498, 19.9164



19.9157, 14.7869, 20.8744

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.



32.7252, 25.6498, 25.8249



18.1033, 25.6498, 19.9164



29.0758, 25.6498, 49.5215

Square

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



18.1033, 25.6498, 19.9164



21.3924, 25.6498, 52.7515



31.9604, 25.6498, 37.8436



27.6322, 25.6498, 12.4482

Rectangle

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



18.1033, 25.6498, 19.9164



18.1682, 25.6498, 38.4414



31.9604, 25.6498, 37.8436



31.8657, 25.6498, 19.5313

Sweetspot

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



18.1040, 25.6509, 19.9170



44.9830, 51.6392, 51.6648



21.2935, 27.4519, 12.9810



9.9773, 11.6159, 11.4536



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.1040, 25.6509, 19.9170



29.0164, 43.8531, 30.8143



20.2941, 26.5269, 31.4502



6.2355, 6.9669, 7.1633



10.2171, 19.1503, 7.3636



0.1704, 0.2934, 0.2030

Inverse Universe

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



19.9157, 14.7869, 20.8744



32.6336, 22.1334, 32.7045



18.1874, 14.0956, 11.7736



6.3503, 6.2793, 7.2250



12.3333, 6.1876, 8.2801



0.2025, 0.0998, 0.2194

Previews

White Background



This preview shows how the XYZ color 18.1033, 25.6498, 19.9164 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 18.1033, 25.6498, 19.9164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

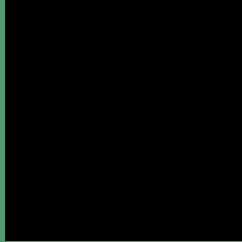
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.1033, 25.6498, 19.9164

Background



This preview shows how black text looks on a background with the XYZ color 18.1033, 25.6498, 19.9164.



This preview shows how white text looks on a background with the XYZ color 18.1033, 25.6498,

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

18.1033, 25.6498, 19.9164

Protanopia

23.7749, 25.4415, 17.5676

Deuteranopia

25.7581, 25.3522, 20.6754



Tritanopia

21.2743, 25.5132, 36.1510

Trichromacy



Original Color

18.1033, 25.6498, 19.9164

Protanomaly

21.0944, 25.1307, 18.4908

Deuteranomaly

22.1047, 24.9461, 20.4797

Tritanomaly

19.8860, 25.4081, 29.4473

Monochromacy



Original Color

18.1033, 25.6498, 19.9164

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.3309, 22.8321, 22.1271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1033, 25.6498, 19.9164 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(86, 152, 114)` looks like.

```
.text, #text, p{  
    color:rgb(86, 152, 114)  
}
```

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(86, 152, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 152, 114) }
```

Border

The CSS property to change the border of an element to XYZ 18.1033, 25.6498, 19.9164 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(86, 152, 114) }
```


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

```
.border{ border-color:rgb(86, 152, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 152, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 152, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 152, 114);  
box-shadow:4px 4px 4px 4px rgb(86, 152,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1033, 25.6498, 19.9164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 152, 114) }
```

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

```
.background{ background-color: rgb(86, 152,  
114) }
```

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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