

Converting Colors

XYZ(18.7778, 24.4463, 19.3617)

Have a look what the booklet for
XYZ(18.7778, 24.4463, 19.3617)
contains.

XYZ(18.6996, 24.3266, 19.3327)	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(18.6996, 24.3266,
19.3327)**

Conversions

Conversions Part 1

Format	Color
Hex	679171
RGB	103, 145, 113
RGB Percent	40%, 57%, 44%
CMY	0.5961, 0.4314, 0.5569
CMYK	0.29, 0.00, 0.22, 0.43
HSL	134°, 17%, 49%
HSV	134°, 29%, 57%
XYZ	18.6996, 24.3266, 19.3327
YIQ	128.7940, -14.7600, -18.8560

Conversions

Conversions Part 2

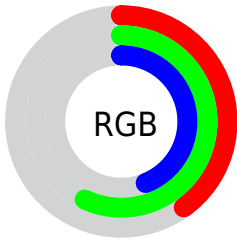
Format	Color
R_{YB}	103, 137, 145
Decimal	6787441
CIE _{Lab}	56.41, -21.32, 12.44
CIE _{LCh}	56, 24.685, 149.739
Yxy	24.3266, 0.2999, 0.3901
Android (android.graphics.Color)	4284977521 (0xFF679171)
YUV	128.7940, -7.7864, -22.6213
Hunter-Lab	49.3220, -18.6383, 11.2856

Details

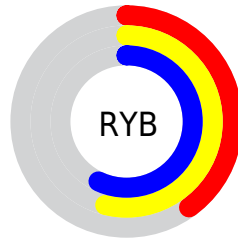
The XYZ color **18.6996, 24.3266, 19.3327** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.9014, 17.4702, 25.1933**, and the grayscale version is **20.8248, 21.9093, 23.8592**.

A 20% lighter version of the original color is **40.7325, 50.5320, 43.2041**, and **6.4782, 9.1713, 6.4298** is the 20% darker color. If you saturate the color by 10%, you get **16.5939, 23.3093, 16.1828**, and if you desaturate by 10%, it is **21.1708, 25.5249, 22.8961**.

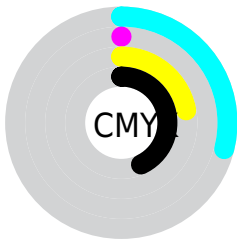
Distribution



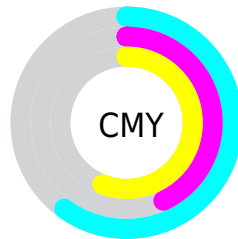
- Red (40%)
- Green (57%)
- Blue (44%)



- Red (40%)
- Yellow (54%)
- Blue (57%)



- Cyan (29%)
- Magenta (0%)
- Yellow (22%)
- Black (43%)



- Cyan (60%)
- Magenta (43%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6996, 24.3266, 19.3327 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 18.6996, 24.3266, 19.3327 by changing the saturation by 10% instead.

■ 18.6996, 24.3266,
19.3327

■ 18.6996, 24.3266,
19.3327

237.7554,
274.4675, 260.7630

■ 11.5561, 15.5761,
11.7317

■ 40.7467, 50.5626,
43.1397

■ 6.5122, 9.2247,
6.4409

■ 56.3810, 68.8169,
60.1828

■ 3.2026, 4.8880,
3.0419

■ 75.5763, 91.0080,
81.2102

■ 1.2618, 2.1817,
1.1161

■ 98.6980, 117.5201,
106.6407

■ 0.1543, 0.7100,
0.0000

126.1114,
148.7377, 136.8927

■ 0.0000, 0.0000,
0.0000

158.1819,

185.0452, 172.3847

195.2747,
226.8270, 213.5353

■ 18.6996, 24.3266,
19.3327

■ 18.6996, 24.3266,
19.3327

■ 16.5939, 23.3093,
16.1828

■ 21.1708, 25.5249,
22.8961

■ 14.8342, 22.4613,
13.4297

■ 24.0219, 26.9094,
26.8856

■ 13.4020, 21.7739,
11.0582

■ 27.2691, 28.4887,
31.3151

■ 12.2763, 21.2369,
9.0513

■ 30.9267, 30.2700,
36.1977

■ 11.4336, 20.8383,
7.3907

■ 35.0086, 32.2601,
41.5456

■ 10.8468, 20.5648,
6.0568

■ 39.5279, 34.4657,
47.3708

■ 10.4579, 20.3867,
5.0262

■ 44.4972, 36.8928,
53.6848

■ 10.4222, 20.3702,
4.9357

■ 49.9285, 39.5476,
60.4986

■ 55.8335, 42.4357,
67.8229

Harmonies

Analogous

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



20.5058, 24.3266, 15.0535



18.6996, 24.3266, 19.3327



18.0583, 24.3266, 26.4161

Triad

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



18.6996, 24.3266, 19.3327



23.0967, 24.3266, 45.5098



28.2197, 24.3266, 19.4333

Complementary

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



18.6996, 24.3266, 19.3327



20.9014, 17.4702, 25.1933

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.



29.0529, 24.3266, 26.5591



18.6996, 24.3266, 19.3327



25.9512, 24.3266, 42.6056

Square

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



18.6996, 24.3266, 19.3327



20.4659, 24.3266, 42.5075



28.1912, 24.3266, 35.2201



25.9979, 24.3266, 15.1027

Rectangle

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



18.6996, 24.3266, 19.3327



18.3330, 24.3266, 32.1561



28.1912, 24.3266, 35.2201



28.6792, 24.3266, 21.5277

Sweetspot

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



18.7003, 24.3276, 19.3332



42.8971, 48.1300, 47.9792



22.5984, 26.3987, 16.7368



9.3851, 10.6303, 10.4551



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.7003, 24.3276, 19.3332



30.8672, 42.2978, 30.7263



20.0089, 24.8511, 26.2243



5.3923, 6.0491, 6.0315



8.9480, 17.4751, 4.2805



0.0930, 0.1701, 0.0802

Inverse Universe

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



20.9014, 17.4702, 25.1933



35.4927, 27.8772, 43.0332



19.5767, 16.9403, 18.2179



5.5721, 5.4894, 6.5107



12.4627, 6.1421, 13.3537



0.1277, 0.0621, 0.1726

Previews

White Background



This preview shows how the XYZ color 18.6996, 24.3266, 19.3327 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 18.6996, 24.3266, 19.3327 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 18.6996, 24.3266, 19.3327

Background



This preview shows how black text looks on a background with the XYZ color 18.6996, 24.3266, 19.3327.



This preview shows how white text looks on a background with the XYZ color 18.6996, 24.3266,

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

18.6996, 24.3266, 19.3327

Protanopia

22.6984, 24.2503, 17.6718

Deuteranopia

24.4614, 24.0962, 19.8848



Tritanopia

21.3944, 24.3055, 32.8420

Trichromacy



Original Color

18.6996, 24.3266, 19.3327

Protanomaly

20.9492, 24.1802, 18.3150

Deuteranomaly

21.7502, 23.7166, 19.6511

Tritanomaly

20.2518, 24.2779, 27.2856

Monochromacy



Original Color

18.6996, 24.3266, 19.3327

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.9849, 22.7511, 22.0770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6996, 24.3266, 19.3327 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(103, 145, 113)` looks like.

```
.text, #text, p{  
    color:rgb(103, 145, 113)  
}
```

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(103, 145, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 145, 113) }
```

Border

The CSS property to change the border of an element to XYZ 18.6996, 24.3266, 19.3327 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(103, 145, 113) }
```


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

```
.border{ border-color:rgb(103, 145, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 145, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 145, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 145, 113);  
box-shadow:4px 4px 4px 4px rgb(103, 145,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6996, 24.3266, 19.3327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 145, 113) }
```

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

```
.background{ background-color: rgb(103,  
145, 113) }
```

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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