

Converting Colors

XYZ(19.6641, 25.0037, 6.2831)

Have a look what the booklet for
XYZ(19.6641, 25.0037, 6.2831)
contains.

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Color

**XYZ(19.8050, 25.1861,
6.3002)**

Conversions

Conversions Part 1

Format	Color
Hex	82912D
RGB	130, 145, 45
RGB Percent	51%, 57%, 18%
CMY	0.4902, 0.4314, 0.8235
CMYK	0.10, 0.00, 0.69, 0.43
HSL	69°, 53%, 37%
HSV	69°, 69%, 57%
XYZ	19.8050, 25.1861, 6.3002
YIQ	129.1150, 23.1600, -34.2800

Conversions

Conversions Part 2

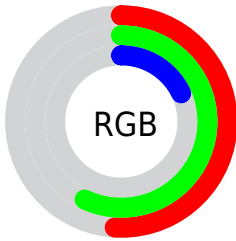
Format	Color
R_{YB}	45, 145, 60
Decimal	8556845
CIE _{Lab}	57.26, -19.33, 48.95
CIE _{LCh}	57, 52.628, 111.554
Yxy	25.1861, 0.3861, 0.4910
Android (android.graphics.Color)	4286746925 (0xFF82912D)
YUV	129.1150, -41.4687, 0.7761
Hunter-Lab	50.1858, -17.3829, 27.6869

Details

The XYZ color **19.8050, 25.1861, 6.3002** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.9136, 4.8824, 27.3149**, and the grayscale version is **21.0424, 22.1382, 24.1085**.

A 20% lighter version of the original color is **42.5887, 52.0242, 19.1063**, and **7.1528, 9.7622, 1.5073** is the 20% darker color. If you saturate the color by 10%, you get **19.2425, 24.9238, 5.0588**, and if you desaturate by 10%, it is **20.4717, 25.4927, 8.0481**.

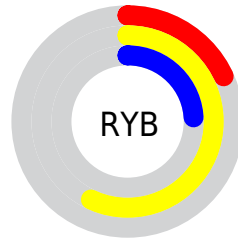
Distribution



Red (51%)

Green (57%)

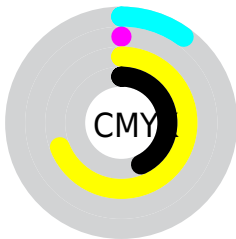
Blue (18%)



Red (18%)

Yellow (57%)

Blue (24%)

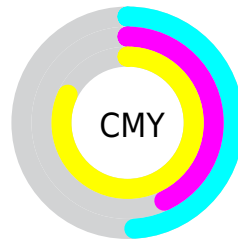


Cyan (10%)

Magenta (0%)

Yellow (69%)

Black (43%)



Cyan (49%)

Magenta (43%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8050, 25.1861, 6.3002 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 19.8050, 25.1861, 6.3002 by changing the saturation by 10% instead.

■ 19.8050, 25.1861,
6.3002

■ 19.8050, 25.1861,
6.3002

243.7112,
278.7635, 171.1193

■ 12.3608, 16.2158,
2.9567

■ 42.5965, 51.9590,
19.0392

■ 7.0639, 9.6770,
1.0726

■ 58.6744, 70.5303,
29.2718

■ 3.5488, 5.1853,
0.0000

■ 78.3611, 93.0707,
42.6379

■ 1.4502, 2.3564,
0.0000

■ 102.0217,
119.9647, 59.5560

■ 0.2915, 0.8033,
0.0000

■ 130.0216,
151.5965, 80.4446

■ 0.0000, 0.0000,
0.0000

■ 162.7263,

188.3507, 105.7224

200.5011,
230.6115, 135.8077

■ 19.8050, 25.1861,
6.3002

■ 19.8050, 25.1861,
6.3002

■ 19.2425, 24.9238,
5.0588

■ 20.4717, 25.4927,
8.0481

■ 18.7720, 24.6983,
4.2682

■ 21.2497, 25.8436,
10.3476

■ 18.3704, 24.5012,
3.8041

■ 22.1475, 26.2434,
13.2407

■ 18.3298, 24.4812,
3.7593

■ 23.1722, 26.6947,
16.7645

■ 24.3304, 27.2002,
20.9536

■ 25.6282, 27.7625,
25.8398

■ 27.0712, 28.3836,
31.4528

■ 28.6649, 29.0659,
37.8207

■ 30.4143, 29.8113,
44.9701

Harmonies

Analogous

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



25.7401, 25.1861, 5.5706



19.8050, 25.1861, 6.3002



15.7345, 25.1861, 11.1541

Triad

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



19.8050, 25.1861, 6.3002



17.2408, 25.1861, 63.9861



37.8377, 25.1861, 32.7727

Complementary

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



19.8050, 25.1861, 6.3002



7.9136, 4.8824, 27.3149

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.



34.5902, 25.1861, 54.7370



19.8050, 25.1861, 6.3002



22.2233, 25.1861, 77.2274

Square

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



19.8050, 25.1861, 6.3002



14.4426, 25.1861, 42.0434



28.6108, 25.1861, 73.2584



36.8861, 25.1861, 16.6590

Rectangle

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



19.8050, 25.1861, 6.3002



14.2846, 25.1861, 17.9440



28.6108, 25.1861, 73.2584



37.1832, 25.1861, 39.7628

Sweetspot

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



19.8056, 25.1872, 6.3007



43.0338, 48.4757, 35.5530



13.7675, 9.4417, 3.5798



9.4594, 10.7342, 7.4947



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.



19.8056, 25.1872, 6.3007



33.9538, 44.3918, 8.1511



13.9083, 22.1471, 6.0247



5.7612, 6.2450, 5.7911



15.7384, 21.0060, 3.2251



0.1644, 0.2080, 0.0315

Inverse Universe

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



7.9136, 4.8824, 27.3149



11.2788, 5.5270, 48.4459



12.4805, 7.2367, 27.5286



5.2003, 5.2914, 6.7760



4.6779, 1.9052, 23.0983



0.0563, 0.0242, 0.2214

Previews

White Background



This preview shows how the XYZ color 19.8050, 25.1861, 6.3002 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 19.8050, 25.1861, 6.3002 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 19.8050, 25.1861, 6.3002

Background



This preview shows how black text looks on a background with the XYZ color 19.8050, 25.1861, 6.3002.



This preview shows how white text looks on a background with the XYZ color 19.8050, 25.1861,

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

19.8050, 25.1861, 6.3002

Protanopia

22.8510, 25.2214, 5.9493

Deuteranopia

25.3529, 24.8535, 6.4786



Tritanopia

24.6675, 24.9787, 30.7154

Trichromacy



Original Color

19.8050, 25.1861, 6.3002

Protanomaly

21.6566, 25.2513, 6.1154

Deuteranomaly

22.9078, 24.6093, 6.3390

Tritanomaly

22.1463, 24.8036, 18.0883

Monochromacy



Original Color

19.8050, 25.1861, 6.3002

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.9218, 22.8769, 14.9210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8050, 25.1861, 6.3002 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(130, 145, 45)` looks like.

```
.text, #text, p{  
    color:rgb(130, 145, 45)  
}
```

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(130, 145, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 145, 45) }
```

Border

The CSS property to change the border of an element to XYZ 19.8050, 25.1861, 6.3002 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(130, 145, 45) }
```


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

```
.border{ border-color:rgb(130, 145, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 145, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 145, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 145, 45);  
box-shadow:4px 4px 4px 4px rgb(130, 145,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8050, 25.1861, 6.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 145, 45) }
```

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

```
.background{ background-color: rgb(130,  
145, 45) }
```

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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