

Converting Colors

XYZ(25.0137, 19.3126, 65.3601)

Have a look what the booklet for
XYZ(25.0137, 19.3126, 65.3601)
contains.

XYZ(25.0137, 19.3126, 65.3601)	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(25.0137, 19.3126,
65.3601)**

Conversions

Conversions Part 1

Format	Color
Hex	786BD5
RGB	120, 107, 213
RGB Percent	47%, 42%, 84%
CMY	0.5294, 0.5804, 0.1647
CMYK	0.44, 0.50, 0.00, 0.16
HSL	247°, 56%, 63%
HSV	247°, 50%, 84%
XYZ	25.0137, 19.3126, 65.3601
YIQ	122.9710, -26.2780, 35.7220

Conversions

Conversions Part 2

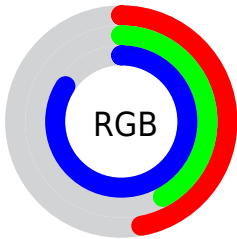
Format	Color
RYB	120, 107, 213
Decimal	7891925
CIELab	51.05, 31.41, -53.11
CIELCh	51, 61.698, 300.598
Yxy	19.3126, 0.2280, 0.1761
Android (android.graphics.Color)	4286082005 (0xFF786BD5)
YUV	122.9710, 44.3843, -2.6056
Hunter-Lab	43.9461, 24.6948, -57.4185

Details

The XYZ color **25.0137, 19.3126, 65.3601** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **50.2672, 60.9294, 23.0216**, and the grayscale version is **18.6825, 19.6555, 21.4048**.

A 20% lighter version of the original color is **48.5796, 41.3634, 100.0313**, and **9.7854, 6.6533, 33.1162** is the 20% darker color. If you saturate the color by 10%, you get **20.7167, 14.1972, 64.5996**, and if you desaturate by 10%, it is **30.3649, 25.7838, 66.3275**.

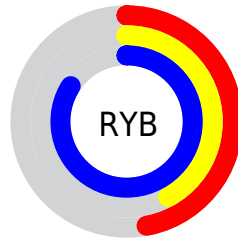
Distribution



Red (47%)

Green (42%)

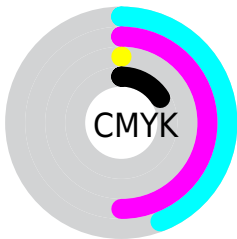
Blue (84%)



Red (47%)

Yellow (42%)

Blue (84%)

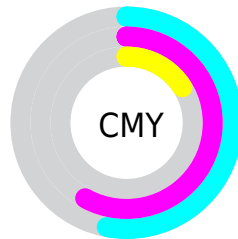


Cyan (44%)

Magenta (50%)

Yellow (0%)

Black (16%)



Cyan (53%)

Magenta (58%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0137, 19.3126, 65.3601 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 25.0137, 19.3126, 65.3601 by changing the saturation by 10% instead.

■ 25.0137, 19.3126,
65.3601

■ 25.0137, 19.3126,
65.3601

270.2525,
248.1691, 462.4265

■ 16.2160, 11.8964,
47.2999

■ 51.1222, 42.2617,
114.1856

■ 9.7690, 6.6732,
32.9168

■ 69.1637, 58.5633,
145.7881

■ 5.3071, 3.2585,
21.7921

■ 91.0173, 78.5955,
182.7417

■ 2.4652, 1.2682,
13.5074

■ 117.0482,
102.7427, 225.4651

■ 0.8777, 0.1163,
7.6440

147.6218,
131.3892, 274.3767

■ 0.0000, 0.0000,
3.7835

183.1035,

■ 0.0000, 0.0000,

164.9195, 329.8951

1.5074

223.8586,
203.7180, 392.4388

■ 0.0000, 0.0000,
0.2234

■ 0.0000, 0.0000,
0.0000

■ 25.0137, 19.3126,
65.3601

■ 25.0137, 19.3126,
65.3601

■ 20.7167, 14.1972,
64.5996

■ 30.3649, 25.7838,
66.3275

■ 17.4011, 10.3386,
64.0296

■ 36.8319, 33.6962,
67.5139

■ 14.9885, 7.6273,
63.6334

■ 44.4741, 43.1307,
68.9322

■ 13.3869, 5.9341,
63.3910

■ 53.3463, 54.1614,
70.5937

■ 12.4564, 5.0422,
63.2679

■ 63.4996, 66.8577,
72.5092

■ 12.4396, 5.0254,
63.2655

■ 74.9822, 81.2847,
74.6887

■ 87.4874, 96.7990,
77.0242

■ 89.0103, 97.5841,
77.0954

Harmonies

Analogous

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



18.4790, 19.3126, 75.8572



25.0137, 19.3126, 65.3601



30.6206, 19.3126, 42.2661

Triad

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



25.0137, 19.3126, 65.3601



24.7535, 19.3126, 3.2208



8.9316, 19.3126, 21.3814

Complementary

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



25.0137, 19.3126, 65.3601



50.2672, 60.9294, 23.0216

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.



9.9010, 19.3126, 8.4518



25.0137, 19.3126, 65.3601



18.2337, 19.3126, 2.1325

Square

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



25.0137, 19.3126, 65.3601



30.4484, 19.3126, 8.1247



12.9988, 19.3126, 3.3225



9.9825, 19.3126, 43.2426

Rectangle

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



25.0137, 19.3126, 65.3601



32.5682, 19.3126, 27.0217



12.9988, 19.3126, 3.3225



9.0292, 19.3126, 15.9936

Sweetspot

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



25.0145, 19.3133, 65.3606



72.7520, 72.1585, 104.7013



38.8754, 49.5329, 70.4630



14.9767, 14.7056, 22.2991



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



25.0145, 19.3133, 65.3606



30.6541, 20.7709, 97.0013



34.3623, 24.1322, 65.7980



11.8827, 12.0810, 15.6431



7.6448, 3.0935, 38.6473



0.5091, 0.2113, 2.3333

Inverse Universe

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



43.1237, 28.8320, 57.9346



61.1654, 36.8324, 83.4193



38.5951, 54.9122, 22.4754



12.8844, 12.6053, 15.3314



22.2583, 10.8396, 29.7279



1.3614, 0.6613, 1.8924

Previews

White Background



This preview shows how the XYZ color 25.0137, 19.3126, 65.3601 looks on a white background.

Color Contrast Check

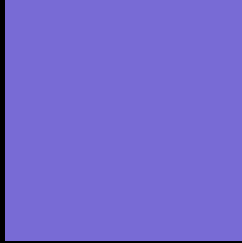
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0137, 19.3126, 65.3601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

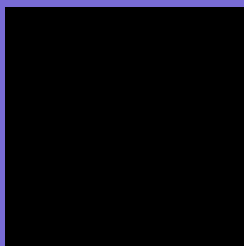
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.0137, 19.3126, 65.3601

Background



This preview shows how black text looks on a background with the XYZ color 25.0137, 19.3126, 65.3601.



This preview shows how white text looks on a background with the XYZ color 25.0137, 19.3126,

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

25.0137, 19.3126, 65.3601

Protanopia

22.2477, 19.5320, 73.1185

Deuteranopia

20.0598, 19.5263, 63.0333



Tritanopia

17.1603, 19.4086, 26.1343

Trichromacy



Original Color

25.0137, 19.3126, 65.3601

Protanomaly

22.7733, 19.1804, 70.2120

Deuteranomaly

21.0547, 18.9535, 63.5215

Tritanomaly

19.3611, 18.9998, 37.7688

Monochromacy



Original Color

25.0137, 19.3126, 65.3601

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.3881, 19.2605, 34.0956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0137, 19.3126, 65.3601 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(120, 107, 213)` looks like.

```
.text, #text, p{  
    color:rgb(120, 107, 213)  
}
```

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(120, 107, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 107, 213) }
```

Border

The CSS property to change the border of an element to XYZ 25.0137, 19.3126, 65.3601 is called "border". The border property can be set on classes, ids or directly on the HTML element.

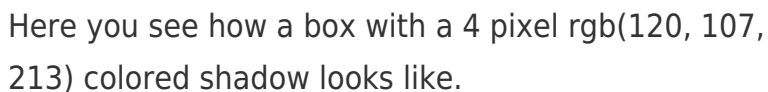
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 107, 213) }
```


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

```
.border{ border-color:rgb(120, 107, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(120, 107, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 107, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 107, 213); box-shadow:4px 4px 4px 4px rgb(120, 107, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0137, 19.3126, 65.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 107, 213) }
```

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

```
.background{ background-color: rgb(120,  
107, 213) }
```

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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