

Converting Colors

XYZ(20.9415, 17.9456, 37.1045)

Have a look what the booklet for
XYZ(20.9415, 17.9456, 37.1045)
contains.

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Color

**XYZ(21.0267, 18.0366,
37.0235)**

Conversions

Conversions Part 1

Format	Color
Hex	816CA3
RGB	129, 108, 163
RGB Percent	51%, 42%, 64%
CMY	0.4941, 0.5765, 0.3608
CMYK	0.21, 0.34, 0.00, 0.36
HSL	263°, 23%, 53%
HSV	263°, 34%, 64%
XYZ	21.0267, 18.0366, 37.0235
YIQ	120.5490, -5.1390, 21.5570

Conversions

Conversions Part 2

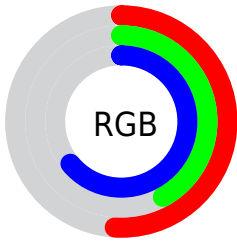
Format	Color
R_{YB}	129, 108, 163
Decimal	8481955
CIE _{Lab}	49.54, 19.90, -26.59
CIE _{LCh}	50, 33.214, 306.804
Yxy	18.0366, 0.2764, 0.2371
Android (android.graphics.Color)	4286672035 (0xFF816CA3)
YUV	120.5490, 20.9283, 7.4115
Hunter-Lab	42.4695, 14.0539, -21.9584

Details

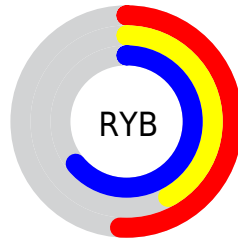
The XYZ color **21.0267, 18.0366, 37.0235** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.9598, 33.0283, 19.1423**, and the grayscale version is **17.9652, 18.9008, 20.5829**.

A 20% lighter version of the original color is **44.7541, 40.2708, 71.7439**, and **7.6270, 5.9991, 15.7949** is the 20% darker color. If you saturate the color by 10%, you get **18.0099, 14.1639, 36.4353**, and if you desaturate by 10%, it is **24.5171, 22.6314, 37.7267**.

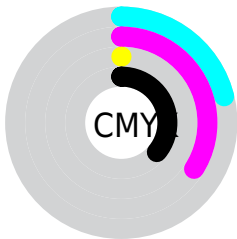
Distribution



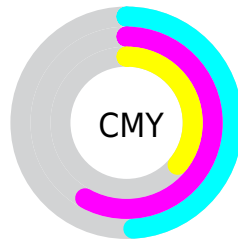
- Red (51%)
- Green (42%)
- Blue (64%)



- Red (51%)
- Yellow (42%)
- Blue (64%)



- Cyan (21%)
- Magenta (34%)
- Yellow (0%)
- Black (36%)



- Cyan (49%)
- Magenta (58%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0267, 18.0366, 37.0235 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 21.0267, 18.0366, 37.0235 by changing the saturation by 10% instead.

■ 21.0267, 18.0366,
37.0235

■ 21.0267, 18.0366,
37.0235

250.1494,
241.0773, 348.5840

■ 13.2561, 10.9763,
24.9298

■ 44.6229, 40.0997,
71.7957

■ 7.6833, 6.0509,
15.8062

■ 61.1792, 55.8712,
95.3112

■ 3.9431, 2.8760,
9.2342

■ 81.3948, 75.3153,
123.4710

■ 1.6700, 1.0674,
4.7954

■ 105.6350, 98.8163,
156.6937

■ 0.4374, 0.0000,
2.0711

134.2652,
126.7586, 195.3978

■ 0.0000, 0.0000,
0.5985

167.6508,

■ 0.0000, 0.0000,

159.5266, 240.0019

0.0000

206.1571,
197.5047, 290.9244

■ 21.0267, 18.0366,
37.0235

■ 21.0267, 18.0366,
37.0235

■ 18.0099, 14.1639,
36.4353

■ 24.5171, 22.6314,
37.7267

■ 15.4425, 10.9730,
35.9547

■ 28.5000, 27.9813,
38.5494

■ 13.3010, 8.4227,
35.5753

■ 32.9954, 34.1200,
39.4974

■ 11.5584, 6.4666,
35.2896

■ 38.0216, 41.0784,
40.5756

■ 10.1845, 5.0516,
35.0889

■ 43.5961, 48.8858,
41.7888

■ 9.1436, 4.1144,
34.9629

■ 49.7354, 57.5700,
43.1414

■ 8.6124, 3.6762,
34.9063

■ 56.4554, 67.1573,
44.6378

■ 63.7712, 77.6733,
46.2820

■ 71.6975, 89.1423,
48.0779

Harmonies

Analogous

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



17.8696, 18.0366, 42.3404



21.0267, 18.0366, 37.0235



23.3232, 18.0366, 27.2798

Triad

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



21.0267, 18.0366, 37.0235



19.6369, 18.0366, 7.6347



11.8129, 18.0366, 21.7625

Complementary

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



21.0267, 18.0366, 37.0235



26.9598, 33.0283, 19.1423

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.



12.1645, 18.0366, 13.5771



21.0267, 18.0366, 37.0235



16.4369, 18.0366, 6.9740

Square

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



21.0267, 18.0366, 37.0235



22.4548, 18.0366, 10.9842



13.7701, 18.0366, 8.7804



12.7433, 18.0366, 31.9468

Rectangle

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



21.0267, 18.0366, 37.0235



23.9168, 18.0366, 20.6203



13.7701, 18.0366, 8.7804



11.7870, 18.0366, 18.6889

Sweetspot

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



21.0273, 18.0373, 37.0239



53.7965, 53.8560, 69.6160



22.5932, 25.4280, 38.3679



11.8465, 11.7746, 15.5859



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.0273, 18.0373, 37.0239



33.7882, 27.3151, 65.5476



25.6198, 20.4048, 37.2388



6.9442, 6.9856, 8.8854



6.7408, 2.8815, 27.1307



0.1933, 0.0872, 0.5725

Inverse Universe

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



25.3498, 20.4653, 28.2058



42.8083, 32.3891, 46.8159



22.9187, 30.9450, 18.9531



7.2491, 7.1561, 8.2983



13.5780, 6.7873, 10.2344



0.3073, 0.1514, 0.3307

Previews

White Background



This preview shows how the XYZ color 21.0267, 18.0366, 37.0235 looks on a white background.

Color Contrast Check

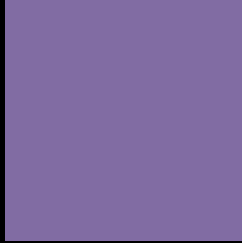
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.0267, 18.0366, 37.0235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

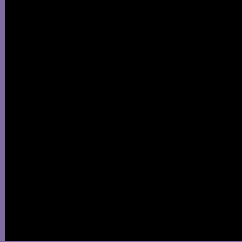
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.0267, 18.0366, 37.0235

Background



This preview shows how black text looks on a background with the XYZ color 21.0267, 18.0366, 37.0235.



This preview shows how white text looks on a background with the XYZ color 21.0267, 18.0366,

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

21.0267, 18.0366, 37.0235

Protanopia

18.7737, 18.1221, 40.0445

Deuteranopia

18.5041, 18.0672, 36.2303



Tritanopia

17.9731, 18.1090, 21.9501

Trichromacy



Original Color

21.0267, 18.0366, 37.0235

Protanomaly

19.4357, 17.9798, 39.0053

Deuteranomaly

19.3661, 17.9963, 36.6353

Tritanomaly

19.0228, 18.0343, 26.9045

Monochromacy



Original Color

21.0267, 18.0366, 37.0235

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.0015, 18.5534, 25.8722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0267, 18.0366, 37.0235 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(129, 108, 163)` looks like.

```
.text, #text, p{  
    color:rgb(129, 108, 163)  
}
```

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(129, 108, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 108, 163) }
```

Border

The CSS property to change the border of an element to XYZ 21.0267, 18.0366, 37.0235 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(129, 108, 163) }
```


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

```
.border{ border-color:rgb(129, 108, 163) }
```

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

Here you see how a box with a 4 pixel rgb(129, 108, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 108, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 108, 163);  
box-shadow:4px 4px 4px 4px rgb(129, 108,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0267, 18.0366, 37.0235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 108, 163) }
```

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

```
.background{ background-color: rgb(129,  
108, 163) }
```

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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