

Converting Colors

XYZ(16.2040, 16.7941, 20.0880)

Have a look what the booklet for
XYZ(16.2040, 16.7941, 20.0880)
contains.

XYZ(16.2347, 16.7437, 20.1455) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 28

CSS Examples 31

Color

**XYZ(16.2347, 16.7437,
20.1455)**

Conversions

Conversions Part 1	
Format	Color
Hex	727178
RGB	114, 113, 120
RGB Percent	45%, 44%, 47%
CMY	0.5529, 0.5569, 0.5294
CMYK	0.05, 0.06, 0.00, 0.53
HSL	249°, 3%, 46%
HSV	249°, 6%, 47%
XYZ	16.2347, 16.7437, 20.1455
YIQ	114.0970, -1.6510, 2.3890

Conversions

Conversions Part 2

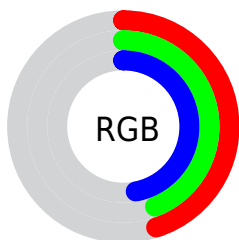
Format	Color
RYB	114, 113, 120
Decimal	7500152
CIELab	47.94, 1.84, -3.73
CIELCh	48, 4.158, 296.210
Yxy	16.7437, 0.3056, 0.3152
Android (android.graphics.Color)	4285690232 (0xFF727178)
YUV	114.0970, 2.9102, -0.0851
Hunter-Lab	40.9191, -0.7882, -0.5466

Details

The XYZ color **16.2347, 16.7437, 20.1455** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.3055, 18.5476, 18.2915**, and the grayscale version is **16.0156, 16.8496, 18.3493**.

A 20% lighter version of the original color is **36.6274, 37.9958, 44.4332**, and **5.3068, 5.4067, 6.8948** is the 20% darker color. If you saturate the color by 10%, you get **13.7197, 13.5898, 19.6696**, and if you desaturate by 10%, it is **19.0783, 20.3307, 20.6882**.

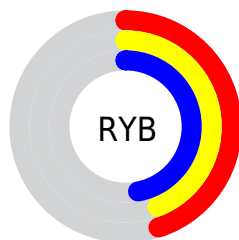
Distribution



Red (45%)

Green (44%)

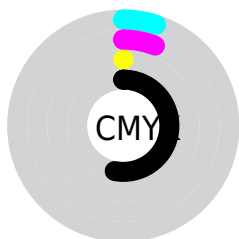
Blue (47%)



Red (45%)

Yellow (44%)

Blue (47%)

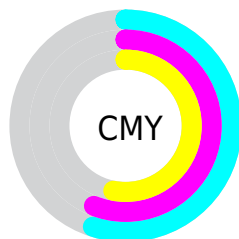


Cyan (5%)

Magenta (6%)

Yellow (0%)

Black (53%)



Cyan (55%)


Magenta (56%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2347, 16.7437, 20.1455 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 16.2347, 16.7437, 20.1455 by changing the saturation by 10% instead.


 16.2347, 16.7437,
20.1455


 16.2347, 16.7437,
20.1455


223.9659,
233.6910, 265.3320

 9.7823, 10.0519,
12.3157


 36.5593, 37.8846,
44.5232


 5.3160, 5.4334,
6.8339


 51.1623, 53.1025,
61.9081

 2.4705, 2.5037,
3.2816

 69.2128, 71.9312,
83.3153

 0.8804, 0.8785,
1.2402

 91.0762, 94.7551,
109.1631

 0.0000, 0.0000,
0.0120

117.1178,
121.9587, 139.8701

 0.0000, 0.0000,
0.0000

147.7031,

153.9263, 175.8549

183.1974,
191.0423, 217.5360

■ 16.2347, 16.7437,
20.1455

■ 16.2347, 16.7437,
20.1455

■ 13.7197, 13.5898,
19.6696

■ 19.0783, 20.3307,
20.6882

■ 11.5200, 10.8506,
19.2568

■ 22.2602, 24.3642,
21.2991

■ 9.6235, 8.5093,
18.9048

■ 25.7917, 28.8595,
21.9806

■ 8.0167, 6.5474,
18.6108

■ 29.6830, 33.8308,
22.7351

■ 6.6852, 4.9448,
18.3716

■ 33.9439, 39.2914,
23.5645

■ 5.6133, 3.6794,
18.1839

■ 38.5838, 45.2543,
24.4709

■ 4.7837, 2.7268,
18.0437

■ 43.6119, 51.7318,
25.4562

■ 4.1769, 2.0592,
17.9469

■ 49.0370, 58.7359,
26.5222

■ 3.7624, 1.6285,
17.8856

■ 54.8674, 66.2783,
27.6707

Harmonies

Analogous

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



15.8668, 16.7437, 20.3682



16.2347, 16.7437, 20.1455



16.5207, 16.7437, 19.4027

Triad

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



16.2347, 16.7437, 20.1455



16.3184, 16.7437, 16.5695



15.2063, 16.7437, 18.0950

Complementary

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



16.2347, 16.7437, 20.1455



17.3055, 18.5476, 18.2915

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.



15.3231, 16.7437, 17.1075



16.2347, 16.7437, 20.1455



15.9620, 16.7437, 16.2488

Square

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



16.2347, 16.7437, 20.1455



16.5695, 16.7437, 17.3349



15.5983, 16.7437, 16.4419



15.2767, 16.7437, 19.1576

Rectangle

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



16.2347, 16.7437, 20.1455



16.6243, 16.7437, 18.7273



15.5983, 16.7437, 16.4419



15.2249, 16.7437, 17.7437

Sweetspot

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



16.2352, 16.7444, 20.1459



30.3771, 31.7452, 35.7795



16.8055, 18.0768, 20.3730



7.2168, 7.5457, 8.4828



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.2352, 16.7444, 20.1459



27.9287, 28.6632, 35.3136



16.6903, 16.9790, 20.1672



3.9641, 4.0669, 5.0192



3.9446, 1.6063, 19.4874



18.3699, 7.4320, 92.9361

Inverse Universe

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



16.9812, 17.1360, 19.8662



29.5296, 29.5036, 34.7089



16.8426, 18.3090, 18.2699



4.1947, 4.1879, 4.9321



11.1108, 5.4205, 14.4061



52.7602, 25.7604, 67.4584

Previews

White Background



This preview shows how the XYZ color 16.2347, 16.7437, 20.1455 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 16.2347, 16.7437, 20.1455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

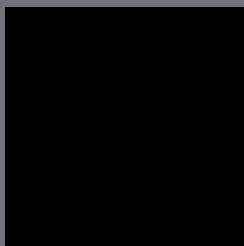
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

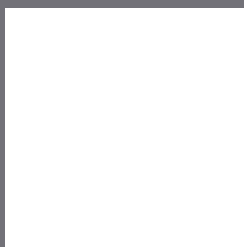
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2347, 16.7437, 20.1455

Background



This preview shows how black text looks on a background with the XYZ color 16.2347, 16.7437, 20.1455.



This preview shows how white text looks on a background with the XYZ color 16.2347, 16.7437,

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

16.2347, 16.7437, 20.1455

Protanopia

16.2347, 16.7437, 20.1455

Deuteranopia

17.0532, 16.6699, 20.4080



Tritanopia

16.3574, 16.7928, 20.7916

Trichromacy



Original Color
16.2347, 16.7437, 20.1455

Protanomaly
16.2347, 16.7437, 20.1455

Deuteranomaly
16.7434, 16.6713, 20.4246

Tritanomaly
16.2957, 16.7681, 20.4669

Monochromacy



Original Color
16.2347, 16.7437, 20.1455

Achromatopsia
15.9940, 16.8269, 18.3245

Achromatomaly
16.1091, 16.8730, 18.9308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2347, 16.7437, 20.1455 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(114, 113, 120) looks like.

```
.text, #text, p{  
    color:rgb(114, 113, 120)  
}
```

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(114, 113, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 113, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.2347, 16.7437, 20.1455 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(114, 113, 120) }
```


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

```
.border{ border-color:rgb(114, 113, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 113, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 113, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 113, 120);  
box-shadow:4px 4px 4px 4px rgb(114, 113,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2347, 16.7437, 20.1455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 113, 120) }
```

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

```
.background{ background-color: rgb(114,  
113, 120) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor