

Converting Colors

XYZ(36.4062, 42.5599, 19.4421)

Have a look what the booklet for
XYZ(36.4062, 42.5599, 19.4421)
contains.

XYZ(36.4991, 42.7560, 19.4257)	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(36.4991, 42.7560,
19.4257)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB468
RGB	175, 180, 104
RGB Percent	69%, 71%, 41%
CMY	0.3137, 0.2941, 0.5921
CMYK	0.03, 0.00, 0.42, 0.29
HSL	64°, 34%, 56%
HSV	64°, 42%, 71%
XYZ	36.4991, 42.7560, 19.4257
YIQ	169.8410, 21.4160, -24.6960

Conversions

Conversions Part 2

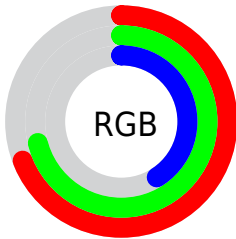
Format	Color
RYB	104, 180, 109
Decimal	11514984
CIELab	71.39, -13.25, 38.08
CIELCh	71, 40.319, 109.184
Yxy	42.7560, 0.3699, 0.4333
Android (android.graphics.Color)	4289705064 (0xFFAFB468)
YUV	169.8410, -32.4596, 4.5244
Hunter-Lab	65.3881, -14.7919, 28.1576

Details

The XYZ color **36.4991, 42.7560, 19.4257** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.4968, 16.4482, 45.3299**, and the grayscale version is **38.2793, 40.2728, 43.8571**.

A 20% lighter version of the original color is **69.2749, 79.5470, 43.1554**, and **16.1641, 19.5195, 6.5301** is the 20% darker color. If you saturate the color by 10%, you get **35.4162, 42.2938, 15.1013**, and if you desaturate by 10%, it is **37.7816, 43.3014, 24.7799**.

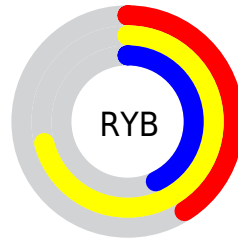
Distribution



Red (69%)

Green (71%)

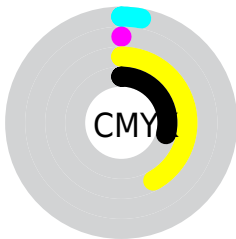
Blue (41%)



Red (41%)

Yellow (71%)

Blue (43%)

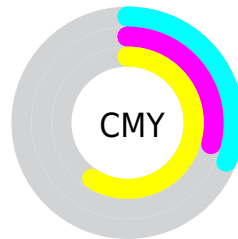


Cyan (3%)

Magenta (0%)

Yellow (42%)

Black (29%)



Cyan (31%)

Magenta (29%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4991, 42.7560, 19.4257 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 36.4991, 42.7560, 19.4257 by changing the saturation by 10% instead.

■ 36.4991, 42.7560,
19.4257

■ 36.4991, 42.7560,
19.4257

322.5301,
357.6074, 261.2895

■ 24.9918, 29.6937,
11.7984

■ 69.1206, 79.3425,
43.2984

■ 16.1996, 19.6062,
6.4857

■ 90.9654, 103.6356,
60.3809

■ 9.7573, 12.1091,
3.0691

■ 116.9869,
132.4410, 81.4522

■ 5.2994, 6.8180,
1.1300

■ 147.5503,
166.1431, 106.9308

■ 2.4605, 3.3486,
0.0000

183.0209,
205.1265, 137.2353

■ 0.8754, 1.3163,
0.0000

223.7642,

■ 0.0000, 0.1538,

249.7753, 172.7842

0.0000

270.1455,
300.4742, 213.9961

■ 0.0000, 0.0000,
0.0000

■ 36.4991, 42.7560,
19.4257

■ 36.4991, 42.7560,
19.4257

■ 35.4162, 42.2938,
15.1013

■ 37.7816, 43.3014,
24.7799

■ 34.5172, 41.9038,
11.7380

■ 39.2721, 43.9287,
31.2214

■ 33.7893, 41.5826,
9.2630


■ 40.9821, 44.6441,
38.8065


■ 33.2163, 41.3236,
7.5921


■ 42.9214, 45.4516,
47.5872


■ 32.7792, 41.1192,
6.6246


■ 45.0993, 46.3547,
57.6120

 32.5027, 40.9858,
6.1980

 47.5245, 47.3570,
68.9267

 50.2053, 48.4618,
81.5749

 53.1496, 49.6723,
95.5983

 54.5416, 50.2622,
101.4347

Harmonies

Analogous

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



43.1366, 42.7560, 18.6481



36.4991, 42.7560, 19.4257



31.5405, 42.7560, 26.1494

Triad

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



36.4991, 42.7560, 19.4257



32.6915, 42.7560, 80.9539



54.8511, 42.7560, 53.9251

Complementary

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



36.4991, 42.7560, 19.4257



19.4968, 16.4482, 45.3299

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.



51.3362, 42.7560, 75.5040



36.4991, 42.7560, 19.4257



38.2384, 42.7560, 93.7578

Square

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



36.4991, 42.7560, 19.4257



29.5173, 42.7560, 59.9469



45.0792, 42.7560, 91.5245



54.2513, 42.7560, 35.3211

Rectangle

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



36.4991, 42.7560, 19.4257



29.6201, 42.7560, 34.4959



45.0792, 42.7560, 91.5245



54.0974, 42.7560, 61.1380

Sweetspot

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



36.5001, 42.7579, 19.4266



73.9763, 80.8074, 68.8893



26.6641, 21.3869, 15.8200



15.8371, 17.4019, 14.2116



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



36.5001, 42.7579, 19.4266



64.2762, 76.7101, 27.6246



29.3360, 39.0647, 19.0913



9.1407, 9.8776, 9.0773



22.7057, 28.6153, 4.3266



0.7309, 0.9088, 0.1369

Inverse Universe

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



19.4968, 16.4482, 45.3299



29.2077, 22.4247, 81.0836



25.0084, 19.2895, 45.5878



8.0921, 8.2560, 10.6734



5.8759, 2.3649, 30.2838



0.2019, 0.0832, 0.9537

Previews

White Background



This preview shows how the XYZ color 36.4991, 42.7560, 19.4257 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 36.4991, 42.7560, 19.4257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

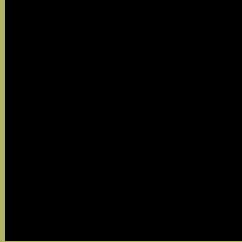
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4991, 42.7560, 19.4257

Background



This preview shows how black text looks on a background with the XYZ color 36.4991, 42.7560, 19.4257.



This preview shows how white text looks on a background with the XYZ color 36.4991, 42.7560,

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

36.4991, 42.7560, 19.4257

Protanopia

39.2141, 42.6956, 18.7446

Deuteranopia

43.3365, 42.5479, 19.8384



Tritanopia

42.9818, 42.7769, 51.3388

Trichromacy



Original Color

36.4991, 42.7560, 19.4257

Protanomaly

38.1779, 42.7378, 19.0690

Deuteranomaly

40.6427, 42.5514, 19.7068

Tritanomaly

40.1085, 42.4624, 37.0925

Monochromacy



Original Color

36.4991, 42.7560, 19.4257

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.3376, 41.1181, 33.1628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4991, 42.7560, 19.4257 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(175, 180, 104)` looks like.

```
.text, #text, p{  
    color:rgb(175, 180, 104)  
}
```

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(175, 180, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 180, 104) }
```

Border

The CSS property to change the border of an element to XYZ 36.4991, 42.7560, 19.4257 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(175, 180, 104) }
```


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

```
.border{ border-color:rgb(175, 180, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 180, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 180, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 180, 104);  
box-shadow:4px 4px 4px 4px rgb(175, 180,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4991, 42.7560, 19.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 180, 104) }
```

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

```
.background{ background-color: rgb(175,  
180, 104) }
```

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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