

Converting Colors

XYZ(36.5828, 44.0004, 20.4742)

Have a look what the booklet for
XYZ(36.5828, 44.0004, 20.4742)
contains.

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Color

**XYZ(36.5889, 44.0004,
20.4744)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB86B
RGB	171, 184, 107
RGB Percent	67%, 72%, 42%
CMY	0.3294, 0.2784, 0.5804
CMYK	0.07, 0.00, 0.42, 0.28
HSL	70°, 35%, 57%
HSV	70°, 42%, 72%
XYZ	36.5889, 44.0004, 20.4744
YIQ	171.3350, 16.9690, -26.7030

Conversions

Conversions Part 2

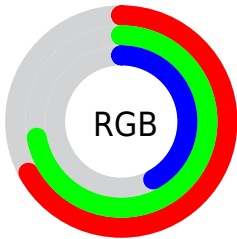
Format	Color
RYB	107, 184, 120
Decimal	11253867
CIELab	72.23, -16.57, 37.54
CIELCh	72, 41.032, 113.819
Yxy	44.0004, 0.3620, 0.4354
Android (android.graphics.Color)	4289443947 (0xFFABB86B)
YUV	171.3350, -31.7172, -0.2938
Hunter-Lab	66.3328, -17.6225, 28.1324

Details

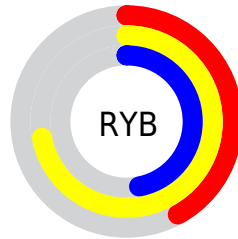
The XYZ color **36.5889, 44.0004, 20.4744** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.6568, 17.9703, 47.6771**, and the grayscale version is **39.0267, 41.0592, 44.7134**.

A 20% lighter version of the original color is **69.1838, 81.1891, 45.2824**, and **16.1909, 20.3099, 6.9377** is the 20% darker color. If you saturate the color by 10%, you get **35.0535, 43.3105, 15.8760**, and if you desaturate by 10%, it is **38.3484, 44.7849, 26.1603**.

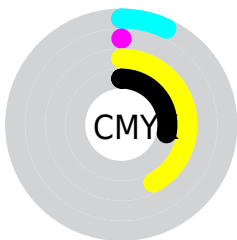
Distribution



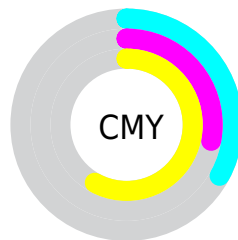
- Red (67%)
- Green (72%)
- Blue (42%)



- Red (42%)
- Yellow (72%)
- Blue (47%)



- Cyan (7%)
- Magenta (0%)
- Yellow (42%)
- Black (28%)



- Cyan (33%)
- Magenta (28%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5889, 44.0004, 20.4744 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 36.5889, 44.0004, 20.4744 by changing the saturation by 10% instead.

■ 36.5889, 44.0004,
20.4744

■ 36.5889, 44.0004,
20.4744

322.9138,
362.7099, 267.1605

■ 25.0616, 30.6708,
12.5529

■ 69.2580, 81.2183,
45.0805

■ 16.2519, 20.3483,
6.9943

■ 91.1305, 105.8755,
62.6022

■ 9.7946, 12.6485,
3.3801

■ 117.1821,
135.0773, 84.1609

■ 5.3242, 7.1869,
1.2919

■ 147.7781,
169.2082, 110.1754

■ 2.4754, 3.5793,
0.0551

183.2839,
208.6525, 141.0640

■ 0.8829, 1.4411,
0.0000

224.0649,

■ 0.0000, 0.2467,

253.7946, 177.2454

0.0000

270.4864,
305.0189, 219.1381

■ 0.0000, 0.0000,
0.0000

■ 36.5889, 44.0004,
20.4744

■ 36.5889, 44.0004,
20.4744

■ 35.0535, 43.3105,
15.8760

■ 38.3484, 44.7849,
26.1603

■ 33.7256, 42.7039,
12.2929

■ 40.3409, 45.6629,
32.9943

■ 32.5916, 42.1766,
9.6485


■ 42.5787, 46.6408,
41.0358


■ 31.6345, 41.7219,
7.8542


■ 45.0723, 47.7229,
50.3392

■ 30.8341, 41.3317,
6.8046


■ 47.8314, 48.9132,
60.9557

 30.2649, 41.0483,
6.3280

 50.8653, 50.2152,
72.9337

 54.1828, 51.6327,
86.3190

 57.7925, 53.1689,
101.1554

 58.7361, 53.6406,
101.8657

Harmonies

Analogous

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



43.2955, 44.0004, 18.7779



36.5889, 44.0004, 20.4744



31.8186, 44.0004, 28.4734

Triad

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



36.5889, 44.0004, 20.4744



34.3280, 44.0004, 86.5089



56.7745, 44.0004, 52.2054

Complementary

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



36.5889, 44.0004, 20.4744



21.6568, 17.9703, 47.6771

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.



53.7267, 44.0004, 74.6332



36.5889, 44.0004, 20.4744



40.3805, 44.0004, 97.7124

Square

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



36.5889, 44.0004, 20.4744



30.6193, 44.0004, 65.3333



47.5296, 44.0004, 92.8472



55.4675, 44.0004, 33.8958

Rectangle

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



36.5889, 44.0004, 20.4744



30.1210, 44.0004, 37.8971



47.5296, 44.0004, 92.8472



56.2154, 44.0004, 59.5450

Sweetspot

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



36.5900, 44.0024, 20.4753



76.5989, 84.2909, 72.2554



29.1190, 24.6460, 17.1329



16.3155, 18.0851, 14.8592



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



36.5900, 44.0024, 20.4753



63.8047, 78.6275, 29.5354



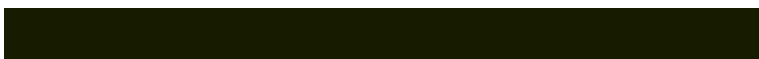
29.4162, 40.3041, 20.1396



9.5973, 10.4246, 9.6132



20.9089, 28.3153, 4.3634



0.7770, 1.0188, 0.1557

Inverse Universe

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



21.6568, 17.9703, 47.6771



33.2126, 25.2537, 85.3286



28.0771, 21.2801, 47.9775



8.6587, 8.7904, 11.3198



6.3956, 2.6083, 31.4194



0.2695, 0.1146, 1.1097

Previews

White Background



This preview shows how the XYZ color 36.5889, 44.0004, 20.4744 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 36.5889, 44.0004, 20.4744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

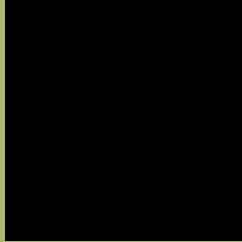
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.5889, 44.0004, 20.4744

Background



This preview shows how black text looks on a background with the XYZ color 36.5889, 44.0004, 20.4744.



This preview shows how white text looks on a background with the XYZ color 36.5889, 44.0004,

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

36.5889, 44.0004, 20.4744

Protanopia

40.4690, 43.9131, 19.4398

Deuteranopia

44.7340, 43.7979, 20.8479



Tritanopia

43.2692, 43.7267, 53.7365

Trichromacy



Original Color

36.5889, 44.0004, 20.4744

Protanomaly

39.1208, 44.1015, 19.8152

Deuteranomaly

41.1851, 43.3820, 20.6709

Tritanomaly

40.3099, 43.6911, 39.1096

Monochromacy



Original Color

36.5889, 44.0004, 20.4744

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.6652, 41.8467, 34.1090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5889, 44.0004, 20.4744 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(171, 184, 107)` looks like.

```
.text, #text, p{  
    color:rgb(171, 184, 107)  
}
```

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(171, 184, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 184, 107) }
```

Border

The CSS property to change the border of an element to XYZ 36.5889, 44.0004, 20.4744 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(171, 184, 107) }
```


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

```
.border{ border-color:rgb(171, 184, 107) }
```

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

Here you see how a box with a 4 pixel rgb(171, 184, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 184, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 184, 107);  
box-shadow:4px 4px 4px 4px rgb(171, 184,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5889, 44.0004, 20.4744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 184, 107) }
```

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

```
.background{ background-color: rgb(171,  
184, 107) }
```

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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