

Converting Colors

XYZ(37.1855, 45.4029, 20.7228)

Have a look what the booklet for
XYZ(37.1855, 45.4029, 20.7228)
contains.

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Color

**XYZ(37.2146, 45.5740,
20.7452)**

Conversions

Conversions Part 1

Format	Color
Hex	AABC6B
RGB	170, 188, 107
RGB Percent	67%, 74%, 42%
CMY	0.3333, 0.2627, 0.5804
CMYK	0.10, 0.00, 0.43, 0.26
HSL	73°, 38%, 58%
HSV	73°, 43%, 74%
XYZ	37.2146, 45.5740, 20.7452
YIQ	173.3840, 15.2730, -29.0070

Conversions

Conversions Part 2

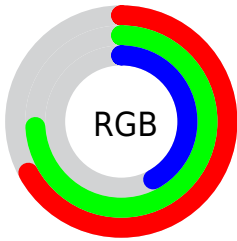
Format	Color
RYB	107, 188, 125
Decimal	11189355
CIELab	73.27, -18.99, 38.83
CIELCh	73, 43.222, 116.063
Yxy	45.5740, 0.3594, 0.4402
Android (android.graphics.Color)	4289379435 (0xFFAABC6B)
YUV	173.3840, -32.7273, -2.9678
Hunter-Lab	67.5085, -19.7404, 29.0363

Details

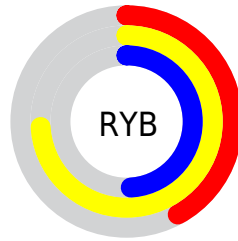
The XYZ color **37.2146, 45.5740, 20.7452** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.7940, 18.5074, 49.9505**, and the grayscale version is **40.0741, 42.1611, 45.9134**.

A 20% lighter version of the original color is **70.0599, 83.4082, 45.6645**, and **16.6050, 21.3364, 7.1140** is the 20% darker color. If you saturate the color by 10%, you get **35.4424, 44.7640, 16.0487**, and if you desaturate by 10%, it is **39.2328, 46.4889, 26.5775**.

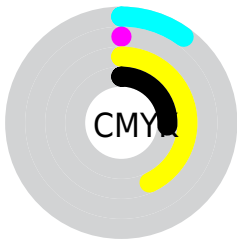
Distribution



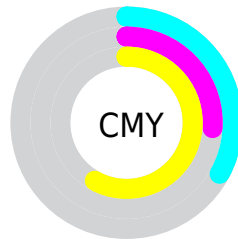
- Red (67%)
- Green (74%)
- Blue (42%)



- Red (42%)
- Yellow (74%)
- Blue (49%)



- Cyan (10%)
- Magenta (0%)
- Yellow (43%)
- Black (26%)





- Cyan (33%)
- Magenta (26%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2146, 45.5740, 20.7452 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 37.2146, 45.5740, 20.7452 by changing the saturation by 10% instead.


 37.2146, 45.5740,
20.7452


 37.2146, 45.5740,
20.7452


325.5781,
369.0933, 268.6577


 25.5481, 31.9098,
12.7485


 70.2144, 83.5811,
45.5384


 16.6168, 21.2926,
7.1269

 92.2785, 108.6928,
63.1719

 10.0553, 13.3381,
3.4619


 118.5391,
138.3890, 84.8547

 5.4982, 7.6617,
1.3351

 149.3616,
173.0543, 111.0054

 2.5801, 3.8793,
0.0903

185.1114,
213.0730, 142.0425

 0.9358, 1.6063,
0.0000

226.1539,

 0.0000, 0.3618,

258.8294, 178.3845

0.0000

272.8543,
310.7081, 220.4501

■ 0.0000, 0.0000,
0.0000

■ 37.2146, 45.5740,
20.7452

■ 37.2146, 45.5740,
20.7452

■ 35.4424, 44.7640,
16.0487

■ 39.2328, 46.4889,
26.5775

■ 33.8986, 44.0470,
12.4111

■ 41.5068, 47.5079,
33.6103

■ 32.5682, 43.4187,
9.7502


■ 44.0497, 48.6378,
41.9067


■ 31.4328, 42.8716,
7.9707


■ 46.8728, 49.8832,
51.5247


■ 30.4706, 42.3970,
6.9582


■ 49.9866, 51.2483,
62.5186

 29.8767, 42.0992,
6.5513

 53.4013, 52.7372,
74.9397

 57.1261, 54.3537,
88.8367

 60.7803, 55.9455,
102.2028

 61.9370, 56.5418,
102.2570

Harmonies

Analogous

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



44.3267, 45.5740, 18.5091



37.2146, 45.5740, 20.7452



32.2997, 45.5740, 29.7511

Triad

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



37.2146, 45.5740, 20.7452



35.6678, 45.5740, 93.0147



59.5724, 45.5740, 52.5483

Complementary

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



37.2146, 45.5740, 20.7452



22.7940, 18.5074, 49.9505

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.



56.5910, 45.5740, 76.8117



37.2146, 45.5740, 20.7452



42.3222, 45.5740, 104.1048

Square

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



37.2146, 45.5740, 20.7452



31.4826, 45.5740, 70.3494



50.0519, 45.5740, 97.4468



57.7972, 45.5740, 33.4278

Rectangle

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



37.2146, 45.5740, 20.7452



30.6377, 45.5740, 40.2191



50.0519, 45.5740, 97.4468



59.0849, 45.5740, 60.3877

Sweetspot

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



37.2157, 45.5760, 20.7462



79.7672, 88.1165, 75.7388



30.6713, 26.3078, 17.3720



16.9253, 18.8479, 15.5295



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



37.2157, 45.5760, 20.7462



64.3010, 81.1561, 29.2611



29.8369, 41.7721, 20.4008



10.1092, 11.0107, 10.1691



20.4064, 28.6957, 4.4633



0.8515, 1.1509, 0.1773

Inverse Universe

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



22.7940, 18.5074, 49.9505



34.6894, 25.5133, 89.3224



29.8638, 22.1521, 50.2813



9.2096, 9.3249, 11.9867



6.8781, 2.8319, 32.5770



0.3272, 0.1407, 1.2788

Previews

White Background



This preview shows how the XYZ color 37.2146, 45.5740, 20.7452 looks on a white background.

Color Contrast Check

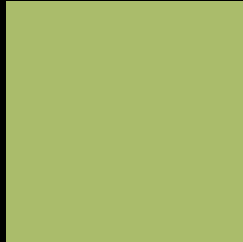
Large Text (above 18pt) WCAG AA × Fail

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 37.2146, 45.5740, 20.7452 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 37.2146, 45.5740, 20.7452

Background



This preview shows how black text looks on a background with the XYZ color 37.2146, 45.5740, 20.7452.



This preview shows how white text looks on a background with the XYZ color 37.2146, 45.5740,

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

37.2146, 45.5740, 20.7452

Protanopia

41.8459, 45.5123, 19.6759

Deuteranopia

46.2370, 45.4045, 21.3659



Tritanopia

44.4909, 45.4703, 56.3009

Trichromacy



Original Color

37.2146, 45.5740, 20.7452

Protanomaly

39.9768, 45.4517, 20.0307

Deuteranomaly

42.5543, 45.2459, 21.2423

Tritanomaly

41.2924, 45.3762, 40.3004

Monochromacy



Original Color

37.2146, 45.5740, 20.7452

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.3585, 42.7814, 34.6697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2146, 45.5740, 20.7452 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(170, 188, 107)` looks like.

```
.text, #text, p{  
    color:rgb(170, 188, 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(170, 188, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 188, 107) }
```

Border

The CSS property to change the border of an element to XYZ 37.2146, 45.5740, 20.7452 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(170, 188, 107) }
```


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

```
.border{ border-color:rgb(170, 188, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 188, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 188, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 188, 107);  
box-shadow:4px 4px 4px 4px rgb(170, 188,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2146, 45.5740, 20.7452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 188, 107) }
```

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

```
.background{ background-color: rgb(170,  
188, 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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