

Converting Colors

XYZ(36.7443, 46.2512, 67.3123)

Have a look what the booklet for
XYZ(36.7443, 46.2512, 67.3123)
contains.

XYZ(36.7443, 46.2512, 67.3123)	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(36.7443, 46.2512,
67.3123)**

Conversions

Conversions Part 1

Format	Color
Hex	6AC2D1
RGB	106, 194, 209
RGB Percent	42%, 76%, 82%
CMY	0.5843, 0.2392, 0.1804
CMYK	0.49, 0.07, 0.00, 0.18
HSL	189°, 53%, 62%
HSV	189°, 49%, 82%
XYZ	36.7443, 46.2512, 67.3123
YIQ	169.3980, -57.2630, -13.9910

Conversions

Conversions Part 2

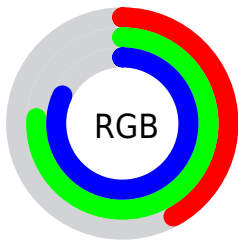
Format	Color
RYB	106, 153, 209
Decimal	6996689
CIELab	73.71, -22.43, -15.71
CIElCh	74, 27.386, 214.997
Yxy	46.2512, 0.2445, 0.3077
Android (android.graphics.Color)	4285186769 (0xFF6AC2D1)
YUV	169.3980, 19.5238, -55.6000
Hunter-Lab	68.0082, -22.5723, -11.0775

Details

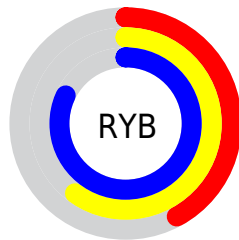
The XYZ color **36.7443, 46.2512, 67.3123** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.7344, 28.2717, 17.2106**, and the grayscale version is **37.8371, 39.8076, 43.3504**.

A 20% lighter version of the original color is **67.6514, 84.0009, 107.2559**, and **16.3332, 21.6582, 34.3299** is the 20% darker color. If you saturate the color by 10%, you get **33.8866, 43.7838, 66.9875**, and if you desaturate by 10%, it is **40.2239, 49.0619, 67.6723**.

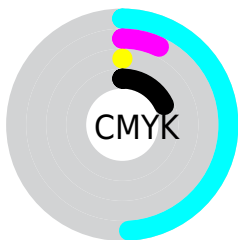
Distribution



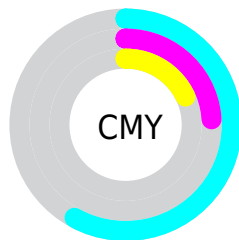
- Red (42%)
- Green (76%)
- Blue (82%)



- Red (42%)
- Yellow (60%)
- Blue (82%)



- Cyan (49%)
- Magenta (7%)
- Yellow (0%)
- Black (18%)



- Cyan (58%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7443, 46.2512, 67.3123 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 36.7443, 46.2512, 67.3123 by changing the saturation by 10% instead.

■ 36.7443, 46.2512,
67.3123

■ 36.7443, 46.2512,
67.3123

■ 323.5769,
371.8176, 469.5873

■ 25.1823, 32.4441,
48.8753

■ 69.4957, 84.5948,
117.0127

■ 16.3424, 21.7009,
34.1556

■ 91.4159, 109.9001,
149.1131

■ 9.8592, 13.6373,
22.7349

■ 117.5195,
139.8069, 186.6051

■ 5.3672, 7.8688,
14.1944

■ 148.1720,
174.6997, 229.9072

■ 2.5013, 4.0111,
8.1157

■ 183.7386,
214.9627, 279.4379

■ 0.8959, 1.6798,
4.0802

■ 224.5847,

■ 0.0000, 0.4105,

260.9805, 335.6158

1.6695

271.0757,
313.1373, 398.8595

■ 0.0000, 0.0000,
0.3397

■ 0.0000, 0.0000,
0.0000

■ 36.7443, 46.2512,
67.3123

■ 36.7443, 46.2512,
67.3123

■ 33.8866, 43.7838,
66.9875

■ 40.2239, 49.0619,
67.6723

■ 31.6018, 41.6311,
66.6924


■ 44.3615, 52.2315,
68.0660


■ 29.8402, 39.7685,
66.4257


■ 49.1953, 55.7809,
68.4963

■ 28.5417, 38.1648,
66.1846

■ 54.7595, 59.7278,
68.9649


 27.6048, 36.7677,
65.9643


 61.0859, 64.0886,
69.4731

 27.5422, 36.6704,
65.9488

 68.2044, 68.8790,
70.0226

 76.1433, 74.1136,
70.6145

 77.9112, 76.1883,
70.9218

 78.7094, 77.7847,
71.1879

Harmonies

Analogous

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



35.2966, 46.2512, 52.7258



36.7443, 46.2512, 67.3123



40.1295, 46.2512, 78.7010

Triad

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



36.7443, 46.2512, 67.3123



52.9803, 46.2512, 62.5332



43.1518, 46.2512, 28.1355

Complementary

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



36.7443, 46.2512, 67.3123



35.7344, 28.2717, 17.2106

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.



48.0276, 46.2512, 29.7988



36.7443, 46.2512, 67.3123



53.9371, 46.2512, 48.0655

Square

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



36.7443, 46.2512, 67.3123



49.5379, 46.2512, 75.6048



52.0643, 46.2512, 36.5230



38.8181, 46.2512, 31.4713

Rectangle

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



36.7443, 46.2512, 67.3123



43.1508, 46.2512, 81.9843



52.0643, 46.2512, 36.5230



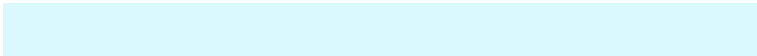
44.7800, 46.2512, 28.1357

Sweetspot

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



36.7457, 46.2530, 67.3134



80.5998, 89.9510, 107.7220



32.1195, 50.0157, 25.6471



16.8639, 18.9764, 23.0239



0.0000, 0.0000, 0.0000



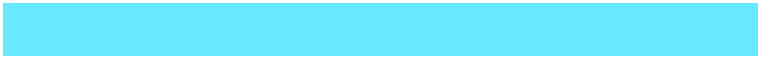
20.3446, 21.4041, 23.3091

Same Dimension

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



36.7457, 46.2530, 67.3134



52.9879, 68.5259, 105.0418



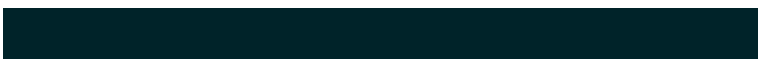
27.3917, 27.5450, 64.1954



12.0056, 13.1014, 15.1397



17.0377, 22.7221, 40.6803



0.9936, 1.3525, 2.2883

Inverse Universe

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



41.1874, 27.7598, 54.2282



60.9670, 37.1602, 81.1189



43.5041, 43.8112, 19.8006



12.2337, 11.9782, 14.5065



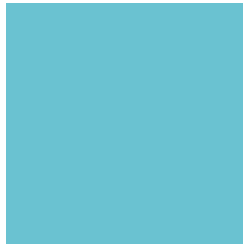
21.2306, 10.3651, 27.1842



1.2078, 0.5878, 1.6289

Previews

White Background



This preview shows how the XYZ color 36.7443, 46.2512, 67.3123 looks on a white background.

Color Contrast Check

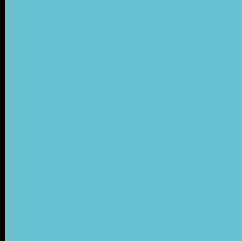
Large Text (above 18pt) WCAG AA × Fail

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 36.7443, 46.2512, 67.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

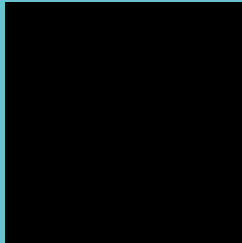
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7443, 46.2512, 67.3123

Background



This preview shows how black text looks on a background with the XYZ color 36.7443, 46.2512, 67.3123.



This preview shows how white text looks on a background with the XYZ color 36.7443, 46.2512,

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

36.7443, 46.2512, 67.3123

Protanopia

44.7890, 45.8287, 60.5180

Deuteranopia

46.8270, 45.7998, 69.3230



Tritanopia

36.8685, 46.3009, 67.9666

Trichromacy



Original Color

36.7443, 46.2512, 67.3123



Protanomaly

40.8689, 45.2682, 63.0835



Deuteranomaly

42.1436, 45.4905, 68.8467



Tritanomaly

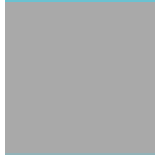
36.8685, 46.3009, 67.9666

Monochromacy



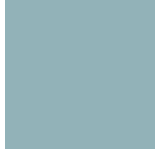
Original Color

36.7443, 46.2512, 67.3123



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

36.4262, 41.4125, 51.4209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7443, 46.2512, 67.3123 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(106, 194, 209)` looks like.

```
.text, #text, p{  
    color:rgb(106, 194, 209)  
}
```

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(106, 194, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 194, 209) }
```

Border

The CSS property to change the border of an element to XYZ 36.7443, 46.2512, 67.3123 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(106, 194, 209) }
```


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

```
.border{ border-color:rgb(106, 194, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 194, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 194, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 194, 209);  
box-shadow:4px 4px 4px 4px rgb(106, 194,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7443, 46.2512, 67.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 194, 209) }
```

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

```
.background{ background-color: rgb(106,  
194, 209) }
```

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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