

Converting Colors

XYZ(64.6144, 69.8523, 30.3275)

Have a look what the booklet for
XYZ(64.6144, 69.8523, 30.3275)
contains.

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Color

**XYZ(64.6443, 69.7095,
30.4702)**

Conversions

Conversions Part 1

Format	Color
Hex	F0D980
RGB	240, 217, 128
RGB Percent	94%, 85%, 50%
CMY	0.0588, 0.1490, 0.4980
CMYK	0.00, 0.10, 0.47, 0.06
HSL	48°, 79%, 72%
HSV	48°, 47%, 94%
XYZ	64.6443, 69.7095, 30.4702
YIQ	213.7310, 42.2770, -22.8030

Conversions

Conversions Part 2

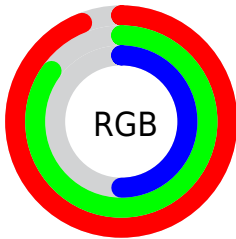
Format	Color
RYB	157, 240, 128
Decimal	15784320
CIELab	86.85, -3.63, 46.52
CIELCh	87, 46.658, 94.457
Yxy	69.7095, 0.3922, 0.4229
Android (android.graphics.Color)	4293974400 (0xFFFF0D980)
YUV	213.7310, -42.2654, 23.0379
Hunter-Lab	83.4922, -7.9068, 36.8069

Details

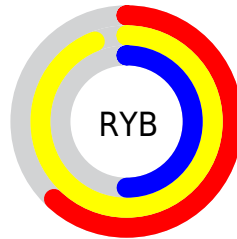
The XYZ color **64.6443, 69.7095, 30.4702** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **35.6965, 33.0125, 86.9285**, and the grayscale version is **63.9924, 67.3250, 73.3169**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **33.5162, 36.3075, 12.0790** is the 20% darker color. If you saturate the color by 10%, you get **61.9971, 66.6512, 22.6947**, and if you desaturate by 10%, it is **67.7064, 72.9996, 40.2286**.

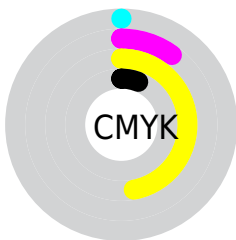
Distribution



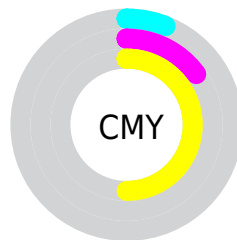
- Red (94%)
- Green (85%)
- Blue (50%)



- Red (62%)
- Yellow (94%)
- Blue (50%)



- Cyan (0%)
- Magenta (10%)
- Yellow (47%)
- Black (6%)



- Cyan (6%)
- Magenta (15%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6443, 69.7095, 30.4702 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 64.6443, 69.7095, 30.4702 by changing the saturation by 10% instead.

64.6443, 69.7095,
30.4702

64.6443, 69.7095,
30.4702

431.0781,
459.5293, 318.3653

47.4363, 51.2897,
19.9407

110.6069,
118.7944, 61.4747

33.5901, 36.4392,
12.1683

140.0922,
150.2283, 82.7869

22.7403, 24.7736,
6.7345

174.4007,
186.7691, 108.5303

14.5215, 15.9085,
3.2207

213.8977,
228.8011, 139.1235

8.5684, 9.4594,
1.2084

258.9486,
276.7087, 174.9850

4.5156, 5.0420,
0.0000

309.9187,

1.9977, 2.2719,

330.8764, 216.5335

0.0000

367.1734,
391.6884, 264.1874

■ 0.6327, 0.7588,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.6443, 69.7095,
30.4702

■ 64.6443, 69.7095,
30.4702

■ 61.9971, 66.6512,
22.6947

■ 67.7064, 72.9996,
40.2286

■ 59.7327, 63.8037,
16.7570


■ 71.2028, 76.5220,
52.0930

■ 57.8222, 61.1573,
12.4987


■ 75.1577, 80.2894,
66.1812


■ 56.2296, 58.6972,
9.7327


■ 79.5918, 84.3108,
82.6014


 54.9099, 56.4047,
8.2229

 84.5246, 88.5944,
101.4543

 54.5064, 55.6679,
7.8722

 87.1144, 92.0040,
107.7749

 88.6378, 95.0506,
108.2826

 89.7451, 97.2652,
108.6517

Harmonies

Analogous

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



75.6922, 69.7095, 33.6635



64.6443, 69.7095, 30.4702



55.1118, 69.7095, 36.4446

Triad

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



64.6443, 69.7095, 30.4702



50.4616, 69.7095, 115.0950



86.9802, 69.7095, 104.7756

Complementary

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



64.6443, 69.7095, 30.4702



35.6965, 33.0125, 86.9285

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.



78.8113, 69.7095, 136.7925



64.6443, 69.7095, 30.4702



57.6400, 69.7095, 143.8043

Square

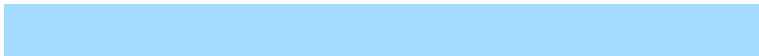
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.6443, 69.7095, 30.4702



47.5128, 69.7095, 80.6537



67.8959, 69.7095, 152.6684



89.3773, 69.7095, 71.3403

Rectangle

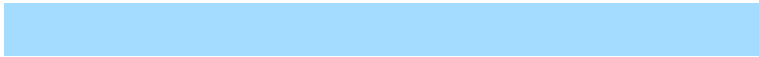
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.6443, 69.7095, 30.4702



50.6514, 69.7095, 46.1303



67.8959, 69.7095, 152.6684



84.7774, 69.7095, 116.3264

Sweetspot

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



64.6460, 69.7127, 30.4716



87.5320, 93.3228, 80.6248



49.3441, 36.2400, 34.2155



18.5087, 19.7658, 16.4277



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.



64.6460, 69.7127, 30.4716



71.2859, 76.6546, 26.4263



61.1440, 77.3272, 32.1259



16.8313, 17.8757, 16.7130



29.9359, 30.6699, 4.3421



2.5590, 2.6887, 0.3841

Inverse Universe

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



35.6965, 33.0125, 86.9285



34.3589, 29.8805, 98.5644



37.8919, 29.1765, 86.0723



15.1601, 15.7544, 19.9635



9.2932, 4.8107, 45.5666



0.8420, 0.5379, 3.8137

Previews

White Background



This preview shows how the XYZ color 64.6443, 69.7095, 30.4702 looks on a white background.

Color Contrast Check

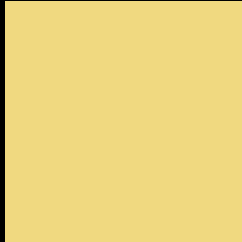
Large Text (above 18pt) WCAG AA × Fail

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 64.6443, 69.7095, 30.4702 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 64.6443, 69.7095, 30.4702

Background



This preview shows how black text looks on a background with the XYZ color 64.6443, 69.7095, 30.4702.



This preview shows how white text looks on a background with the XYZ color 64.6443, 69.7095,

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

64.6443, 69.7095, 30.4702

Protanopia

64.2276, 69.8785, 30.5248

Deuteranopia

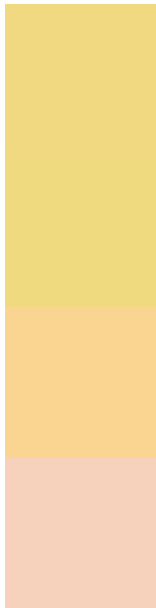
70.1193, 69.6863, 40.3270



Tritanopia

74.3230, 69.5563, 78.6157

Trichromacy



Original Color

64.6443, 69.7095, 30.4702

Protanomaly

64.5643, 70.0520, 30.5406

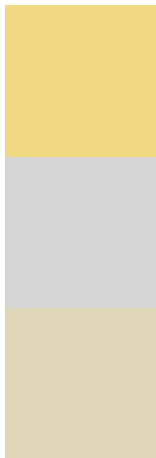
Deuteranomaly

68.3294, 69.9568, 36.6897

Tritanomaly

70.1297, 69.3169, 57.2602

Monochromacy



Original Color

64.6443, 69.7095, 30.4702

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.2791, 67.7078, 54.5335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6443, 69.7095, 30.4702 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(240, 217, 128)` looks like.

```
.text, #text, p{  
    color:rgb(240, 217, 128)  
}
```

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(240, 217, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 217, 128) }
```

Border

The CSS property to change the border of an element to XYZ 64.6443, 69.7095, 30.4702 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(240, 217, 128) }
```


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

```
.border{ border-color:rgb(240, 217, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 217, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 217, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 217, 128);  
box-shadow:4px 4px 4px 4px rgb(240, 217,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6443, 69.7095, 30.4702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 217, 128) }
```

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

```
.background{ background-color: rgb(240,  
217, 128) }
```

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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