

Converting Colors

XYZ(63.6588, 73.5227, 30.0940)

Have a look what the booklet for
XYZ(63.6588, 73.5227, 30.0940)
contains.

XYZ(63.7582, 73.6255, 30.2528)	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(63.7582, 73.6255,
30.2528)**

Conversions

Conversions Part 1

Format	Color
Hex	E5E47D
RGB	229, 228, 125
RGB Percent	90%, 89%, 49%
CMY	0.1020, 0.1059, 0.5098
CMYK	0.00, 0.00, 0.45, 0.10
HSL	59°, 67%, 69%
HSV	59°, 45%, 90%
XYZ	63.7582, 73.6255, 30.2528
YIQ	216.5570, 33.6590, -31.8210

Conversions

Conversions Part 2

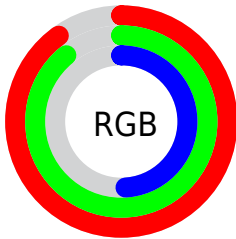
Format	Color
RYB	126, 229, 125
Decimal	15066237
CIELab	88.75, -13.80, 50.09
CIELCh	89, 51.954, 105.398
Yxy	73.6255, 0.3803, 0.4392
Android (android.graphics.Color)	4293256317 (0xFFE5E47D)
YUV	216.5570, -45.1376, 10.9125
Hunter-Lab	85.8053, -17.5237, 39.1595

Details

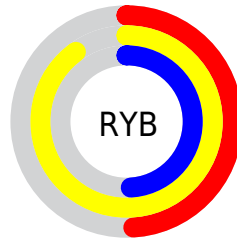
The XYZ color **63.7582, 73.6255, 30.2528** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.0612, 24.9382, 77.3578**, and the grayscale version is **65.9346, 69.3683, 75.5421**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **33.1594, 39.1388, 12.1102** is the 20% darker color. If you saturate the color by 10%, you get **62.4013, 72.9891, 23.3966**, and if you desaturate by 10%, it is **65.4560, 74.4037, 38.8882**.

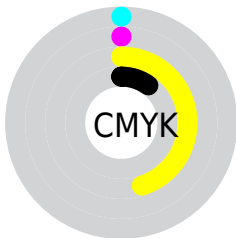
Distribution



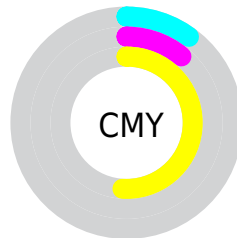
- Red (90%)
- Green (89%)
- Blue (49%)



- Red (49%)
- Yellow (90%)
- Blue (49%)



- Cyan (0%)
- Magenta (0%)
- Yellow (45%)
- Black (10%)



- Cyan (10%)
- Magenta (11%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7582, 73.6255, 30.2528 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 63.7582, 73.6255, 30.2528 by changing the saturation by 10% instead.

63.7582, 73.6255,
30.2528

63.7582, 73.6255,
30.2528

427.9320,
473.1798, 317.3249

46.7158, 54.4876,
19.7769

109.3383,
124.3648, 61.1275

33.0181, 38.9916,
12.0505

138.6067,
156.7349, 82.3633

22.2996, 26.7532,
6.6551

172.6812,
194.2846, 108.0228

14.1950, 17.3880,
3.1722

211.9271,
237.3982, 138.5246

8.3390, 10.5115,
1.1832

256.7098,
286.4602, 174.2871

4.3663, 5.7394,
0.0000

307.3946,

1.9114, 2.6873,

341.8548, 215.7290

0.0000

364.3469,
403.9666, 263.2688

■ 0.5834, 0.9707,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7582, 73.6255,
30.2528

■ 63.7582, 73.6255,
30.2528

■ 62.4013, 72.9891,
23.3966

■ 65.4560, 74.4037,
38.8882

■ 61.3565, 72.4751,
18.1912


■ 67.5106, 75.3220,
49.4101


■ 60.5991, 72.0761,
14.4985


■ 69.9433, 76.3918,
61.9229

■ 60.0981, 71.7798,
12.1560

■ 72.7723, 77.6201,
76.5219

 59.8156, 71.5710,
10.9637


 76.0145, 79.0138,
93.2963

 59.7306, 71.4931,
10.6514

 78.4707, 80.0933,
105.9314

 78.5314, 80.2147,
105.9517

 78.5922, 80.3363,
105.9719

 78.6531, 80.4580,
105.9922

Harmonies

Analogous

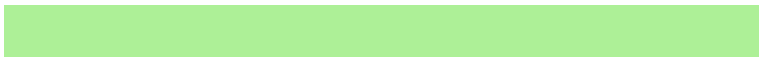
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2473, 73.6255, 30.1229



63.7582, 73.6255, 30.2528



54.1491, 73.6255, 40.7375

Triad

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



63.7582, 73.6255, 30.2528



54.3495, 73.6255, 140.2059



96.0563, 73.6255, 98.9027

Complementary

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



63.7582, 73.6255, 30.2528



30.0612, 24.9382, 77.3578

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.



88.6272, 73.6255, 139.2206



63.7582, 73.6255, 30.2528



64.0637, 73.6255, 167.4857

Square

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



63.7582, 73.6255, 30.2528



49.1765, 73.6255, 99.9757



76.5915, 73.6255, 167.0790



95.9490, 73.6255, 63.1622

Rectangle

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



63.7582, 73.6255, 30.2528



50.2319, 73.6255, 54.6748



76.5915, 73.6255, 167.0790



94.3220, 73.6255, 112.5555

Sweetspot

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



63.7600, 73.6289, 30.2543



89.7170, 97.6928, 81.3531



43.4606, 32.8514, 24.0390



19.0467, 20.8420, 16.6070



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.



63.7600, 73.6289, 30.2543



79.8102, 93.2347, 30.7119



50.2503, 67.0714, 29.7007



15.5892, 16.7923, 15.3241



34.1566, 40.8873, 6.0918



2.5279, 3.0291, 0.4514

Inverse Universe

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



30.0612, 24.9382, 77.3578



31.9777, 24.1251, 97.5789



39.2163, 29.4701, 77.7500



13.5939, 13.9091, 18.1126



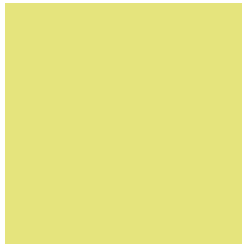
8.1047, 3.2715, 42.5875



0.6028, 0.2496, 3.1484

Previews

White Background



This preview shows how the XYZ color 63.7582, 73.6255, 30.2528 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 63.7582, 73.6255, 30.2528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

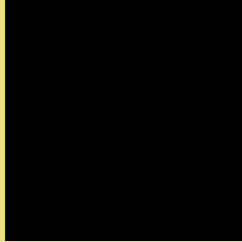
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7582, 73.6255, 30.2528

Background



This preview shows how black text looks on a background with the XYZ color 63.7582, 73.6255, 30.2528.



This preview shows how white text looks on a background with the XYZ color 63.7582, 73.6255,

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

63.7582, 73.6255, 30.2528

Protanopia

67.6190, 73.6179, 29.3847

Deuteranopia

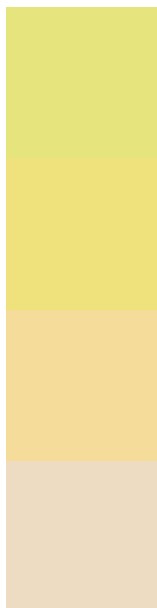
73.0516, 73.2740, 48.3233



Tritanopia

75.5395, 73.6957, 87.3341

Trichromacy



Original Color

63.7582, 73.6255, 30.2528

Protanomaly

66.1599, 73.6564, 29.7989

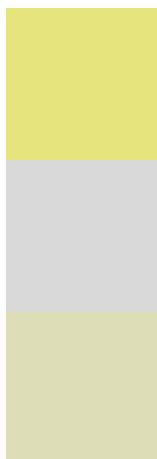
Deuteranomaly

69.4320, 73.1123, 41.0245

Tritanomaly

70.2559, 73.0860, 61.4431

Monochromacy



Original Color

63.7582, 73.6255, 30.2528

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.3270, 70.5457, 55.5737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7582, 73.6255, 30.2528 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(229, 228, 125)` looks like.

```
.text, #text, p{  
    color:rgb(229, 228, 125)  
}
```

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(229, 228, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 228, 125) }
```

Border

The CSS property to change the border of an element to XYZ 63.7582, 73.6255, 30.2528 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(229, 228, 125) }
```


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

```
.border{ border-color:rgb(229, 228, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 228, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 228, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 228, 125);  
box-shadow:4px 4px 4px 4px rgb(229, 228,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7582, 73.6255, 30.2528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 228, 125) }
```

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

```
.background{ background-color: rgb(229,  
228, 125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor