

# Converting Colors

XYZ(55.0175, 63.8820, 9.7038)

Have a look what the booklet for  
XYZ(55.0175, 63.8820, 9.7038)  
contains.

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# Color

**XYZ(55.1527, 64.1226,  
9.7572)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1D60A
RGB	225, 214, 10
RGB Percent	88%, 84%, 4%
CMY	0.1177, 0.1608, 0.9607
CMYK	0.00, 0.05, 0.96, 0.12
HSL	57°, 91%, 46%
HSV	57°, 96%, 88%
XYZ	55.1527, 64.1226, 9.7572
YIQ	194.0330, 72.0400, -61.1120

# Conversions

## Conversions Part 2

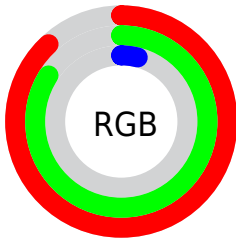
Format	Color
R <sub>Y</sub> B	22, 225, 10
Decimal	14800394
CIE Lab	84.03, -14.12, 82.97
CIE LCh	84, 84.159, 99.659
Yxy	64.1226, 0.4274, 0.4969
Android (android.graphics.Color)	4292990474 (0xFFE1D60A)
YUV	194.0330, -90.7283, 27.1581
Hunter-Lab	80.0766, -17.1923, 48.8292

# Details

The XYZ color **55.1527, 64.1226, 9.7572** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **13.9846, 6.0380, 71.6620**, and the grayscale version is **51.7916, 54.4888, 59.3383**.

A 20% lighter version of the original color is **78.8455, 93.5182, 23.5681**, and **28.0879, 33.1409, 4.9165** is the 20% darker color. If you saturate the color by 10%, you get **54.9696, 63.8445, 9.4260**, and if you desaturate by 10%, it is **55.6594, 64.7953, 10.9776**.

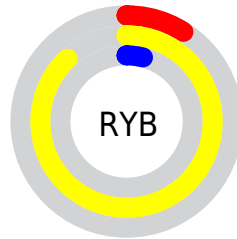
# Distribution



Red (88%)

Green (84%)

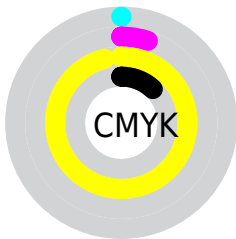
Blue (4%)



Red (9%)

Yellow (88%)

Blue (4%)

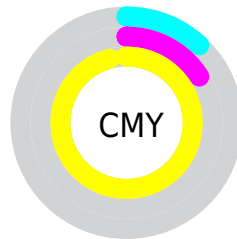


Cyan (0%)

Magenta (5%)

Yellow (96%)

Black (12%)



Cyan (12%)

Magenta (16%)


Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1527, 64.1226, 9.7572 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 55.1527, 64.1226, 9.7572 by changing the saturation by 10% instead.





 55.1527, 64.1226,  
9.7572

 55.1527, 64.1226,  
9.7572


396.6175,  
439.6322, 199.3517


 39.7583, 46.7500,  
5.1348


 96.9117, 110.7875,  
25.9384

 27.5335, 32.8380,  
2.2664


 124.0070,  
140.8485, 38.3343

 18.1130, 22.0024,  
0.7123


 155.7333,  
175.9078, 54.1585

 11.1313, 13.8587,  
0.0000

 192.4560,  
216.3498, 73.8294

 6.2232, 8.0224,  
0.0000

 234.5404,  
262.5589, 97.7657

 3.0232, 4.1093,  
0.0000

 282.3519,

 1.1660, 1.7349,

314.9193, 126.3858

0.0000

336.2558,  
373.8157, 160.1083

■ 0.0793, 0.4461,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.1527, 64.1226,  
9.7572

■ 55.1527, 64.1226,  
9.7572

■ 54.9696, 63.8445,  
9.4260

■ 55.6594, 64.7953,  
10.9776

■ 56.3760, 65.5529,  
13.2995

■ 57.3404, 66.4128,  
16.9159

■ 58.5821, 67.3870,  
21.9828

■ 60.1267, 68.4857,  
28.6340

■ 61.9966, 69.7178,  
36.9882

■ 64.2122, 71.0915,  
47.1527

■ 66.7923, 72.6144,  
59.2261

■ 69.7542, 74.2933,  
73.2998

# Harmonies

## Analogous

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



74.2131, 64.1226, 11.1445



55.1527, 64.1226, 9.7572



40.8892, 64.1226, 16.9906

# Triad

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



55.1527, 64.1226, 9.7572



37.3933, 64.1226, 157.4745



100.9076, 64.1226, 111.7150

# Complementary

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



55.1527, 64.1226, 9.7572



13.9846, 6.0380, 71.6620

# 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.



86.6788, 64.1226, 181.7677



55.1527, 64.1226, 9.7572



49.3636, 64.1226, 216.1911

# Square

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



55.1527, 64.1226, 9.7572



32.0997, 64.1226, 88.4098



67.1327, 64.1226, 226.8236



103.3335, 64.1226, 54.0355



# Rectangle

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



55.1527, 64.1226, 9.7572



35.0433, 64.1226, 29.8690



67.1327, 64.1226, 226.8236



97.2269, 64.1226, 135.2223

# Sweetspot

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



55.1541, 64.1256, 9.7585



84.1511, 93.7291, 57.3993



31.3286, 16.2926, 2.3774



17.7448, 19.8956, 11.0633



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.



55.1541, 64.1256, 9.7585



72.9802, 84.7404, 12.5101



36.4714, 58.7650, 9.7085



14.8086, 15.9031, 14.5959



31.7032, 36.8443, 5.4407



2.2162, 2.5912, 0.3833



# Inverse Universe

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



13.9846, 6.0380, 71.6620



18.1944, 7.5089, 95.0981



19.3137, 8.5482, 71.8656



13.0080, 13.3551, 17.2799



7.9292, 3.3279, 41.2728



0.5697, 0.2709, 2.8675



# Previews

## White Background



This preview shows how the XYZ color 55.1527, 64.1226, 9.7572 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

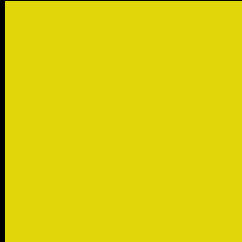
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.1527, 64.1226, 9.7572 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 55.1527, 64.1226, 9.7572**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.1527, 64.1226, 9.7572.



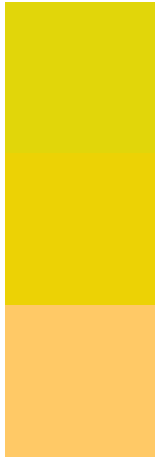
This preview shows how white text looks on a background with the XYZ color 55.1527, 64.1226,



# 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

55.1527, 64.1226, 9.7572

### Protanopia

57.6661, 63.9370, 9.4453

### Deuteranopia

64.5249, 63.9926, 21.5213



## **Tritanopia**

67.8209, 63.8790, 72.3737

# Trichromacy



## Original Color

55.1527, 64.1226, 9.7572

## Protanomaly

56.6113, 63.7597, 9.5241

## Deuteranomaly

60.4537, 63.8054, 14.7596

## Tritanomaly

59.9308, 62.4028, 33.6972

# Monochromacy



## Original Color

55.1527, 64.1226, 9.7572

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

49.8942, 56.2847, 28.3130

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.1527, 64.1226, 9.7572 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(225, 214, 10)` looks like.

```
.text, #text, p{  
    color:rgb(225, 214, 10)  
}
```

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(225, 214, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 214, 10) }
```

## Border

The CSS property to change the border of an element to XYZ 55.1527, 64.1226, 9.7572 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(225, 214, 10) }
```



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

```
.border{ border-color:rgb(225, 214, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 214, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 214, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 214, 10);  
box-shadow:4px 4px 4px 4px rgb(225, 214,  
10) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.1527, 64.1226, 9.7572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 214, 10) }
```

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

```
.background{ background-color: rgb(225,  
214, 10) }
```

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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