

Converting Colors

XYZ(40.1516, 65.8305, 22.2949)

Have a look what the booklet for
XYZ(40.1516, 65.8305, 22.2949)
contains.

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Color

**XYZ(40.1628, 65.8318,
22.3944)**

Conversions

Conversions Part 1

Format	Color
Hex	75EE63
RGB	117, 238, 99
RGB Percent	46%, 93%, 39%
CMY	0.5412, 0.0666, 0.6117
CMYK	0.51, 0.00, 0.58, 0.07
HSL	112°, 80%, 66%
HSV	112°, 58%, 93%
XYZ	40.1628, 65.8318, 22.3944
YIQ	185.9750, -27.4970, -68.8810

Conversions

Conversions Part 2

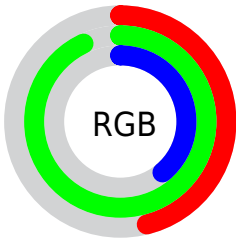
Format	Color
RYB	99, 238, 220
Decimal	7728739
CIELab	84.91, -59.76, 55.93
CIElCh	85, 81.846, 136.896
Yxy	65.8318, 0.3128, 0.5128
Android (android.graphics.Color)	4285918819 (0xFF75EE63)
YUV	185.9750, -42.8787, -60.4911
Hunter-Lab	81.1368, -53.6317, 40.4312

Details

The XYZ color **40.1628, 65.8318, 22.3944** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **49.4131, 30.3146, 84.1393**, and the grayscale version is **46.9033, 49.3459, 53.7377**.

A 20% lighter version of the original color is **59.7242, 83.2002, 43.4833**, and **18.3437, 33.9334, 7.9659** is the 20% darker color. If you saturate the color by 10%, you get **36.7064, 64.1646, 17.1436**, and if you desaturate by 10%, it is **44.5737, 67.9563, 29.4424**.

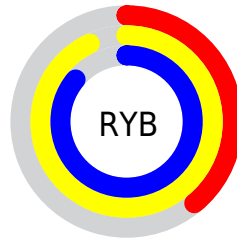
Distribution



Red (46%)

Green (93%)

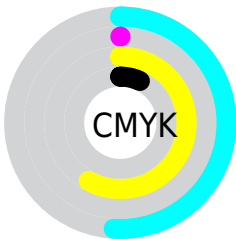
Blue (39%)



Red (39%)

Yellow (93%)

Blue (86%)

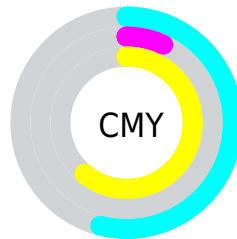


Cyan (51%)

Magenta (0%)

Yellow (58%)

Black (7%)



Cyan (54%)

Magenta (7%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1628, 65.8318, 22.3944 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 40.1628, 65.8318, 22.3944 by changing the saturation by 10% instead.

40.1628, 65.8318,
22.3944

40.1628, 65.8318,
22.3944

337.9319,
445.7751, 277.6195

27.8503, 48.1359,
13.9459

74.6941, 113.2449,
48.3075

18.3527, 33.9345,
7.9447

97.6436, 143.7308,
66.6092

11.3047, 22.8433,
3.9723

124.8695,
179.2489, 89.0324

6.3410, 14.4778,
1.6102

156.7371,
220.1835, 115.9956

3.0961, 8.4537,
0.2981

193.6118,
266.9191, 147.9174

1.2048, 4.3866,
0.0000

235.8589,

0.1102, 1.8921,

319.8399, 185.2162

0.0000

283.8439,
379.3304, 228.3108

0.0000, 0.5436,
0.0000

0.0000, 0.0000,
0.0000

40.1628, 65.8318,
22.3944

40.1628, 65.8318,
22.3944

36.7064, 64.1646,
17.1436

44.5737, 67.9563,
29.4424

34.1282, 62.9129,
13.5234


49.9983, 70.5596,
38.4257


32.3477, 62.0415,
11.3442


56.4968, 73.6718,
49.4740

31.2605, 61.5022,
10.3327

64.1231, 77.3184,
62.7045

 31.1354, 61.4401,
10.2181

 72.9273, 81.5227,
78.2258

 82.9569, 86.3071,
96.1390

 89.8658, 89.6317,
107.1719

Harmonies

Analogous

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



52.8564, 65.8318, 11.9181



40.1628, 65.8318, 22.3944



34.0887, 65.8318, 51.1043

Triad

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



40.1628, 65.8318, 22.3944



54.8999, 65.8318, 222.2410



102.8186, 65.8318, 46.1154

Complementary

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



40.1628, 65.8318, 22.3944



49.4131, 30.3146, 84.1393

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.



103.6634, 65.8318, 97.1471



40.1628, 65.8318, 22.3944



73.4088, 65.8318, 218.5772

Square

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



40.1628, 65.8318, 22.3944



41.4053, 65.8318, 173.8098



92.0656, 65.8318, 165.4051



89.9439, 65.8318, 20.2848

Rectangle

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



40.1628, 65.8318, 22.3944



33.6475, 65.8318, 84.5250



92.0656, 65.8318, 165.4051



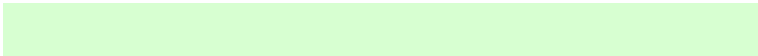
104.5962, 65.8318, 60.2065

Sweetspot

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



40.1644, 65.8346, 22.3959



75.3179, 90.5820, 73.9009



62.9683, 69.9881, 21.9957



15.5307, 19.1061, 14.7868



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.



40.1644, 65.8346, 22.3959



42.2945, 74.7360, 19.1253



41.2246, 66.0056, 39.4095



15.7561, 17.7544, 16.7462



17.4288, 34.3064, 5.7032



1.5099, 2.8849, 0.4773

Inverse Universe

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



49.4131, 30.3146, 84.1393



53.9118, 29.5953, 97.4787



48.6973, 30.6918, 50.3923



16.2412, 15.9216, 19.9388



23.0729, 10.8999, 46.0157



1.9750, 0.9354, 3.8307

Previews

White Background



This preview shows how the XYZ color 40.1628, 65.8318, 22.3944 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 40.1628, 65.8318, 22.3944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

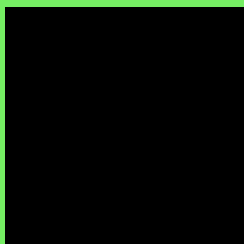
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1628, 65.8318, 22.3944

Background



This preview shows how black text looks on a background with the XYZ color 40.1628, 65.8318, 22.3944.



This preview shows how white text looks on a background with the XYZ color 40.1628, 65.8318,

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

40.1628, 65.8318, 22.3944

Protanopia

59.1143, 64.8363, 19.2965

Deuteranopia

65.5778, 64.4138, 27.0659



Tritanopia

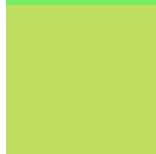
54.1189, 65.2372, 92.9588

Trichromacy



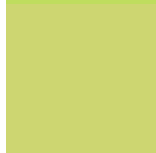
Original Color

40.1628, 65.8318, 22.3944



Protanomaly

49.3627, 63.5974, 20.2635



Deuteranomaly

52.2040, 62.2645, 24.8896



Tritanomaly

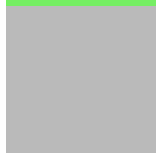
46.9204, 64.3118, 58.0846

Monochromacy



Original Color

40.1628, 65.8318, 22.3944



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.3620, 53.5728, 38.6797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1628, 65.8318, 22.3944 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(117, 238, 99)` looks like.

```
.text, #text, p{  
    color:rgb(117, 238, 99)  
}
```

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(117, 238, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 238, 99) }
```

Border

The CSS property to change the border of an element to XYZ 40.1628, 65.8318, 22.3944 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(117, 238, 99) }
```


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

```
.border{ border-color:rgb(117, 238, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 238, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 238, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 238, 99);  
box-shadow:4px 4px 4px 4px rgb(117, 238,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1628, 65.8318, 22.3944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 238, 99) }
```

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

```
.background{ background-color: rgb(117,  
238, 99) }
```

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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