

Converting Colors

XYZ(22.8908, 35.9046, 15.4292)

Have a look what the booklet for
XYZ(22.8908, 35.9046, 15.4292)
contains.

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Color

**XYZ(22.7828, 35.7604,
15.3745)**

Conversions

Conversions Part 1

Format	Color
Hex	5EB45A
RGB	94, 180, 90
RGB Percent	37%, 71%, 35%
CMY	0.6314, 0.2941, 0.6470
CMYK	0.48, 0.00, 0.50, 0.29
HSL	117°, 38%, 53%
HSV	117°, 50%, 71%
XYZ	22.7828, 35.7604, 15.3745
YIQ	144.0260, -22.3660, -46.2220

Conversions

Conversions Part 2

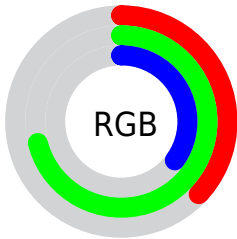
Format	Color
RYB	90, 180, 176
Decimal	6206554
CIELab	66.34, -44.30, 37.81
CIELCh	66, 58.247, 139.520
Yxy	35.7604, 0.3082, 0.4838
Android (android.graphics.Color)	4284396634 (0xFF5EB45A)
YUV	144.0260, -26.6348, -43.8728
Hunter-Lab	59.8000, -36.6445, 26.6166

Details

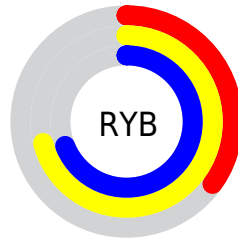
The XYZ color **22.7828, 35.7604, 15.3745** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.8007, 19.8389, 45.4406**, and the grayscale version is **26.6308, 28.0177, 30.5113**.

A 20% lighter version of the original color is **47.4556, 68.4279, 36.2979**, and **8.5542, 15.4391, 4.6270** is the 20% darker color. If you saturate the color by 10%, you get **20.5362, 34.6813, 11.7430**, and if you desaturate by 10%, it is **25.6098, 37.1193, 20.0031**.

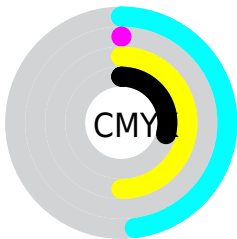
Distribution



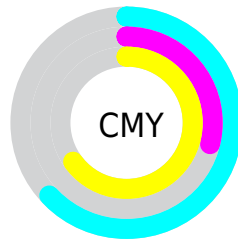
- Red (37%)
- Green (71%)
- Blue (35%)



- Red (35%)
- Yellow (71%)
- Blue (69%)



- Cyan (48%)
- Magenta (0%)
- Yellow (50%)
- Black (29%)





- Cyan (63%)
- Magenta (29%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.7828, 35.7604, 15.3745 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 22.7828, 35.7604, 15.3745 by changing the saturation by 10% instead.


 22.7828, 35.7604,
15.3745


 22.7828, 35.7604,
15.3745


259.1637,
327.9121, 237.3403


 14.5530, 24.2492,
8.9331


 47.5057, 68.6621,
36.2604


 8.5906, 15.5186,
4.6014


 64.7296, 90.8214,
51.5420

 4.5301, 9.1841,
1.9607


 85.6822, 117.2988,
70.6073

 2.0062, 4.8615,
0.5310

 110.7289,
148.4788, 93.8751

 0.6374, 2.1662,
0.0000

140.2350,
184.7457, 121.7637

 0.0000, 0.7015,
0.0000

174.5659,

 0.0000, 0.0000,

226.4840, 154.6917

0.0000

214.0870,
274.0780, 193.0777

■ 22.7828, 35.7604,
15.3745

■ 22.7828, 35.7604,
15.3745

■ 20.5362, 34.6813,
11.7430

■ 25.6098, 37.1193,
20.0031

■ 18.8272, 33.8585,
9.0333

■ 29.0507, 38.7708,
25.6921

■ 17.6117, 33.2720,
7.1631


■ 33.1398, 40.7323,
32.5024


■ 16.8370, 32.8968,
6.0346


■ 37.9079, 43.0185,
40.4896


■ 16.4221, 32.6956,
5.4454


■ 43.3840, 45.6432,
49.7057

 16.4221, 32.6956,
5.4453

 49.5952, 48.6194,
60.1993

 56.5674, 51.9594,
72.0168

 64.3251, 55.6748,
85.2019

 72.8918, 59.7769,
99.7964

Harmonies

Analogous

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



28.6984, 35.7604, 8.9810



22.7828, 35.7604, 15.3745



20.0460, 35.7604, 30.8535

Triad

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



22.7828, 35.7604, 15.3745



31.0351, 35.7604, 107.6381



52.3284, 35.7604, 25.0177

Complementary

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



22.7828, 35.7604, 15.3745



29.8007, 19.8389, 45.4406

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.



53.2439, 35.7604, 48.3218



22.7828, 35.7604, 15.3745



39.8933, 35.7604, 103.8328

Square

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



22.7828, 35.7604, 15.3745



24.2414, 35.7604, 87.9542



48.3738, 35.7604, 79.0752



46.0521, 35.7604, 12.6751

Rectangle

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



22.7828, 35.7604, 15.3745



20.0118, 35.7604, 47.4140



48.3738, 35.7604, 79.0752



53.3096, 35.7604, 31.5359

Sweetspot

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



22.7837, 35.7619, 15.3753



64.0306, 75.7443, 65.5281



36.0970, 41.2983, 15.7422



13.4592, 16.1888, 13.5267



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.7837, 35.7619, 15.3753



36.8729, 62.7078, 20.7125



24.6018, 36.4430, 27.0341



8.4227, 9.5075, 9.0437



11.4763, 22.8263, 3.8011



0.3726, 0.7241, 0.1201

Inverse Universe

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



29.8007, 19.8389, 45.4406



51.0313, 30.5029, 81.4926



27.1766, 18.8953, 26.8340



8.8120, 8.6271, 10.7071



17.6400, 8.4296, 30.8343



0.5664, 0.2711, 0.9707

Previews

White Background



This preview shows how the XYZ color 22.7828, 35.7604, 15.3745 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 22.7828, 35.7604, 15.3745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

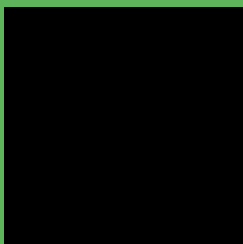
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.7828, 35.7604, 15.3745

Background



This preview shows how black text looks on a background with the XYZ color 22.7828, 35.7604, 15.3745.



This preview shows how white text looks on a background with the XYZ color 22.7828, 35.7604,

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

22.7828, 35.7604, 15.3745

Protanopia

32.2636, 35.1133, 13.2607

Deuteranopia

35.7970, 35.1149, 16.2004



Tritanopia

29.7320, 35.6791, 50.1194

Trichromacy



Original Color

22.7828, 35.7604, 15.3745

Protanomaly

27.5311, 34.5124, 14.0146

Deuteranomaly

29.2181, 34.2716, 15.6648

Tritanomaly

26.5047, 35.5062, 33.8902

Monochromacy



Original Color

22.7828, 35.7604, 15.3745

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.2992, 30.0048, 23.5796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7828, 35.7604, 15.3745 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(94, 180, 90)` looks like.

```
.text, #text, p{  
    color:rgb(94, 180, 90)  
}
```

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(94, 180, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 180, 90) }
```

Border

The CSS property to change the border of an element to XYZ 22.7828, 35.7604, 15.3745 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(94, 180, 90) }
```


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

```
.border{ border-color:rgb(94, 180, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 180, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 180, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 180, 90);  
box-shadow:4px 4px 4px 4px rgb(94, 180,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7828, 35.7604, 15.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 180, 90) }
```

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

```
.background{ background-color: rgb(94, 180,  
90) }
```

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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