

Converting Colors

XYZ(19.4381, 28.1666, 5.7752)

Have a look what the booklet for
XYZ(19.4381, 28.1666, 5.7752)
contains.

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Color

**XYZ(19.4270, 28.1354,
5.7733)**

Conversions

Conversions Part 1

Format	Color
Hex	729E20
RGB	114, 158, 32
RGB Percent	45%, 62%, 13%
CMY	0.5529, 0.3804, 0.8745
CMYK	0.28, 0.00, 0.80, 0.38
HSL	81°, 66%, 37%
HSV	81°, 80%, 62%
XYZ	19.4270, 28.1354, 5.7733
YIQ	130.4800, 14.2220, -48.5140

Conversions

Conversions Part 2

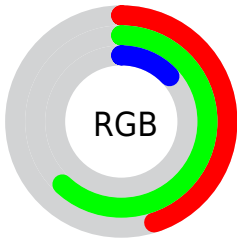
Format	Color
R_{YB}	32, 158, 76
Decimal	7511584
CIE _{Lab}	60.01, -33.11, 55.92
CIE _{LCh}	60, 64.982, 120.628
Yxy	28.1354, 0.3642, 0.5275
Android (android.graphics.Color)	4285701664 (0xFF729E20)
YUV	130.4800, -48.5506, -14.4530
Hunter-Lab	53.0428, -27.4491, 30.6767

Details

The XYZ color **19.4270, 28.1354, 5.7733** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.6698, 5.0390, 32.8123**, and the grayscale version is **21.5526, 22.6751, 24.6931**.

A 20% lighter version of the original color is **41.9179, 56.7281, 17.9728**, and **7.0175, 11.2687, 1.8052** is the 20% darker color. If you saturate the color by 10%, you get **18.5656, 27.7114, 4.8686**, and if you desaturate by 10%, it is **20.4360, 28.6254, 7.2236**.

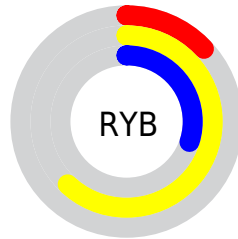
Distribution



Red (45%)

Green (62%)

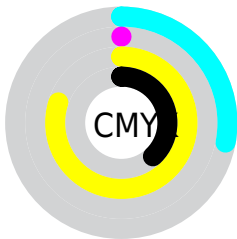
Blue (13%)



Red (13%)

Yellow (62%)

Blue (30%)

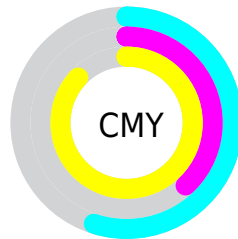


Cyan (28%)

Magenta (0%)

Yellow (80%)

Black (38%)



Cyan (55%)


Magenta (38%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4270, 28.1354, 5.7733 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 19.4270, 28.1354, 5.7733 by changing the saturation by 10% instead.


 19.4270, 28.1354,
5.7733


 19.4270, 28.1354,
5.7733


241.6891,
293.1133, 166.2657


 12.0851, 18.4278,
2.6412


 41.9657, 56.7005,
17.9280


 6.8742, 11.2575,
0.9136


 57.8932, 76.3268,
27.7876

 3.4292, 6.2403,
0.0000


 77.4132, 100.0281,
40.7269

 1.3846, 2.9918,
0.0000

 100.8912,
128.1888, 57.1642

 0.2452, 1.1274,
0.0000

 128.6924,
161.1933, 77.5182

 0.0000, 0.0012,
0.0000

 161.1822,

 0.0000, 0.0000,

199.4259, 102.2075

0.0000

198.7260,
243.2711, 131.6504

■ 19.4270, 28.1354,
5.7733

■ 19.4270, 28.1354,
5.7733

■ 18.5656, 27.7114,
4.8686

■ 20.4360, 28.6254,
7.2236

■ 17.8190, 27.3372,
4.3491

■ 21.6044, 29.1833,
9.2863

■ 17.8006, 27.3280,
4.3366

■ 22.9448, 29.8152,
12.0207

■ 24.4676, 30.5253,
15.4784

■ 26.1824, 31.3174,
19.7061

■ 28.0979, 32.1954,
24.7466

■ 30.2224, 33.1623,
30.6395

■ 32.5634, 34.2215,
37.4217

■ 35.1283, 35.3758,
45.1282

Harmonies

Analogous

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



26.5679, 28.1354, 3.9263



19.4270, 28.1354, 5.7733



15.1341, 28.1354, 13.2786

Triad

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



19.4270, 28.1354, 5.7733



19.6720, 28.1354, 89.9781



46.0168, 28.1354, 30.1381

Complementary

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



19.4270, 28.1354, 5.7733



9.6698, 5.0390, 32.8123

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.



43.1429, 28.1354, 58.8625



19.4270, 28.1354, 5.7733



26.9166, 28.1354, 102.5288

Square

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



19.4270, 28.1354, 5.7733



15.2537, 28.1354, 60.2092



35.6949, 28.1354, 88.9580



42.9036, 28.1354, 12.7894

Rectangle

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



19.4270, 28.1354, 5.7733



13.9143, 28.1354, 23.7968



35.6949, 28.1354, 88.9580



45.7138, 28.1354, 38.6710

Sweetspot

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



19.4277, 28.1366, 5.7739



49.3330, 57.6907, 40.4237



16.8112, 12.2720, 2.8496



10.8618, 12.8869, 8.4343



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.4277, 28.1366, 5.7739



32.6148, 49.7697, 8.1248



13.9568, 25.3163, 5.5179



6.9451, 7.6044, 7.0874



14.2994, 21.9083, 3.4751



0.2997, 0.4144, 0.0642

Inverse Universe

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



9.6698, 5.0390, 32.8123



14.3993, 6.2616, 59.1931



17.0057, 8.8208, 33.1557



6.4924, 6.5423, 8.3273



6.2519, 2.6520, 26.0896



0.1553, 0.0698, 0.4685

Previews

White Background



This preview shows how the XYZ color 19.4270, 28.1354, 5.7733 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4270, 28.1354, 5.7733 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 × Fail

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

XYZ 19.4270, 28.1354, 5.7733

Background



This preview shows how black text looks on a background with the XYZ color 19.4270, 28.1354, 5.7733.



This preview shows how white text looks on a background with the XYZ color 19.4270, 28.1354,

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

19.4270, 28.1354, 5.7733

Protanopia

25.0832, 27.7117, 5.1255

Deuteranopia

28.4378, 27.8895, 6.1699



Tritanopia

25.5938, 27.9598, 36.8487

Trichromacy



Original Color

19.4270, 28.1354, 5.7733

Protanomaly

22.6463, 27.6033, 5.2968

Deuteranomaly

24.3962, 27.5654, 5.9543

Tritanomaly

22.2156, 27.5364, 19.7670

Monochromacy



Original Color

19.4270, 28.1354, 5.7733

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.7106, 23.8494, 14.1542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4270, 28.1354, 5.7733 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(114, 158, 32)` looks like.

```
.text, #text, p{  
    color:rgb(114, 158, 32)  
}
```

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(114, 158, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 158, 32) }
```

Border

The CSS property to change the border of an element to XYZ 19.4270, 28.1354, 5.7733 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(114, 158, 32) }
```


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

```
.border{ border-color:rgb(114, 158, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 158, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 158, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 158, 32);  
box-shadow:4px 4px 4px 4px rgb(114, 158,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4270, 28.1354, 5.7733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 158, 32) }
```

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

```
.background{ background-color: rgb(114,  
158, 32) }
```

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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