

Converting Colors

XYZ(20.7720, 32.2294, 9.5410)

Have a look what the booklet for
XYZ(20.7720, 32.2294, 9.5410)
contains.

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Color

**XYZ(20.7720, 32.2294,
9.5410)**

Conversions

Conversions Part 1

Format	Color
Hex	65AB3D
RGB	101, 171, 61
RGB Percent	40%, 67%, 24%
CMY	0.6039, 0.3294, 0.7608
CMYK	0.41, 0.00, 0.64, 0.33
HSL	98°, 47%, 45%
HSV	98°, 64%, 67%
XYZ	20.7720, 32.2294, 9.5410
YIQ	137.5300, -6.4100, -49.0500

Conversions

Conversions Part 2

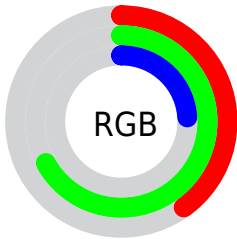
Format	Color
RYB	61, 171, 131
Decimal	6662973
CIELab	63.53, -41.64, 48.29
CIELCh	64, 63.763, 130.768
Yxy	32.2294, 0.3321, 0.5153
Android (android.graphics.Color)	4284853053 (0xFF65AB3D)
YUV	137.5300, -37.7293, -32.0368
Hunter-Lab	56.7709, -34.0375, 29.7753

Details

The XYZ color **20.7720, 32.2294, 9.5410** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **18.3812, 11.1042, 39.7043**, and the grayscale version is **24.1199, 25.3761, 27.6345**.

A 20% lighter version of the original color is **44.1600, 63.1983, 25.4938**, and **7.5606, 13.5148, 2.2101** is the 20% darker color. If you saturate the color by 10%, you get **19.2442, 31.4878, 7.4368**, and if you desaturate by 10%, it is **22.6096, 33.1157, 12.4276**.

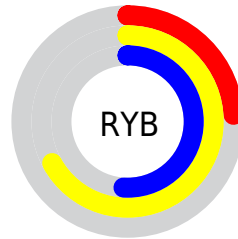
Distribution



Red (40%)

Green (67%)

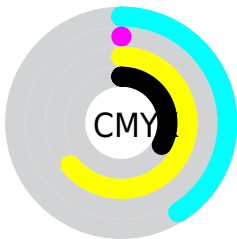
Blue (24%)



Red (24%)

Yellow (67%)

Blue (51%)

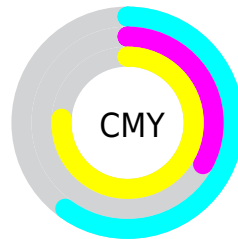


Cyan (41%)

Magenta (0%)

Yellow (64%)

Black (33%)



Cyan (60%)

Magenta (33%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7720, 32.2294, 9.5410 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 20.7720, 32.2294, 9.5410 by changing the saturation by 10% instead.

■ 20.7720, 32.2294,
9.5410

■ 20.7720, 32.2294,
9.5410

248.8190,
312.1629, 197.7283

■ 13.0690, 21.5368,
4.9941

■ 44.2019, 63.1705,
25.5227

■ 7.5534, 13.5169,
2.1851

■ 60.6595, 84.1879,
37.7946

■ 3.8599, 7.7855,
0.6658

■ 80.7659, 109.4155,
53.4785

■ 1.6232, 3.9580,
0.0000

■ 104.8867,
139.2379, 72.9931

■ 0.4074, 1.6501,
0.0000

■ 133.3870,
174.0395, 96.7568

■ 0.0000, 0.3910,
0.0000

166.6322,

■ 0.0000, 0.0000,

214.2046, 125.1882

0.0000

204.9878,
260.1176, 158.7059

■ 20.7720, 32.2294,
9.5410

■ 20.7720, 32.2294,
9.5410

■ 19.2442, 31.4878,
7.4368

■ 22.6096, 33.1157,
12.4276

■ 18.0031, 30.8777,
6.0361

■ 24.7732, 34.1507,
16.1613

■ 17.0252, 30.3900,
5.2472

■ 27.2806, 35.3432,
20.8024

■ 16.5613, 30.1570,
4.9480

■ 30.1474, 36.7001,
26.4052

■ 33.3882, 38.2277,
33.0196

■ 37.0168, 39.9322,
40.6922

■ 41.0460, 41.8193,
49.4666

■ 45.4883, 43.8945,
59.3840

■ 50.3555, 46.1630,
70.4835

Harmonies

Analogous

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



27.5491, 32.2294, 5.6242



20.7720, 32.2294, 9.5410



17.1622, 32.2294, 21.3111

Triad

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



20.7720, 32.2294, 9.5410



25.3406, 32.2294, 104.5778



50.6806, 32.2294, 26.7176

Complementary

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



20.7720, 32.2294, 9.5410



18.3812, 11.1042, 39.7043

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.



49.7727, 32.2294, 53.8131



20.7720, 32.2294, 9.5410



33.9390, 32.2294, 108.4981

Square

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



20.7720, 32.2294, 9.5410



19.4254, 32.2294, 77.7482



43.2056, 32.2294, 86.7575



45.4880, 32.2294, 11.8496

Rectangle

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



20.7720, 32.2294, 9.5410



16.5231, 32.2294, 35.7528



43.2056, 32.2294, 86.7575



51.1006, 32.2294, 34.4401

Sweetspot

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



20.7728, 32.2308, 9.5417



56.8011, 67.0513, 52.9676



25.7098, 25.1394, 7.9127



12.3124, 14.7855, 11.0925



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.7728, 32.2308, 9.5417



33.5073, 55.9220, 12.1629



17.7813, 30.6366, 11.7538



8.1692, 9.0758, 8.5346



12.5377, 22.7605, 3.7324



0.4099, 0.6647, 0.1067

Inverse Universe

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



18.3812, 11.1042, 39.7043



28.7945, 15.0824, 70.3954



24.4936, 14.4079, 33.0923



8.0504, 8.0003, 10.0726



10.3385, 4.6896, 29.4048



0.3448, 0.1599, 0.8207

Previews

White Background



This preview shows how the XYZ color 20.7720, 32.2294, 9.5410 looks on a white background.

Color Contrast Check

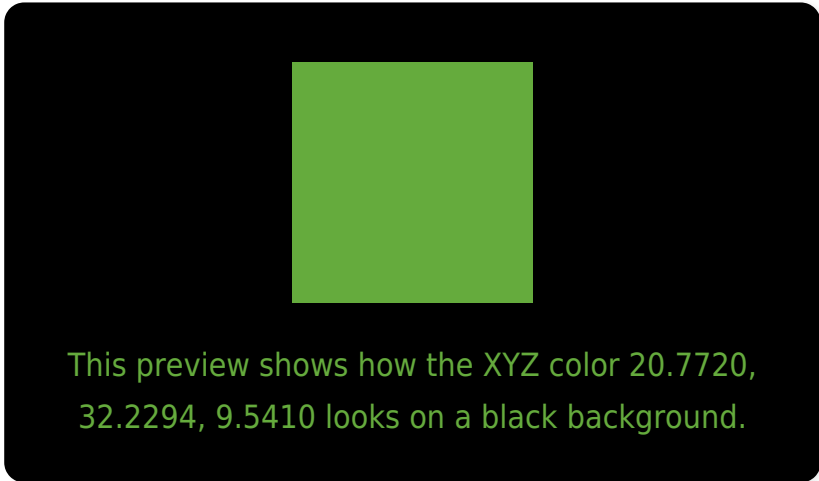
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

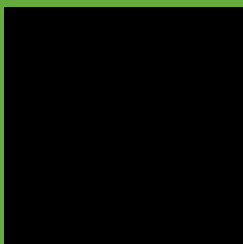
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.7720, 32.2294, 9.5410

Background



This preview shows how black text looks on a background with the XYZ color 20.7720, 32.2294, 9.5410.



This preview shows how white text looks on a background with the XYZ color 20.7720, 32.2294,

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

20.7720, 32.2294, 9.5410

Protanopia

28.8996, 31.7259, 8.3419

Deuteranopia

32.3393, 31.8063, 10.0650



Tritanopia

27.7214, 32.0807, 44.2663

Trichromacy



Original Color

20.7720, 32.2294, 9.5410

Protanomaly

25.1886, 31.5581, 8.7667

Deuteranomaly

26.6093, 31.0041, 9.7362

Tritanomaly

24.1224, 31.6616, 26.6697

Monochromacy



Original Color

20.7720, 32.2294, 9.5410

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.1783, 27.2985, 18.8521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7720, 32.2294, 9.5410 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(101, 171, 61)` looks like.

```
.text, #text, p{  
    color:rgb(101, 171, 61)  
}
```

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(101, 171, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 171, 61) }
```

Border

The CSS property to change the border of an element to XYZ 20.7720, 32.2294, 9.5410 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(101, 171, 61) }
```


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

```
.border{ border-color:rgb(101, 171, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 171, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 171, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 171, 61);  
box-shadow:4px 4px 4px 4px rgb(101, 171,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7720, 32.2294, 9.5410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 171, 61) }
```

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

```
.background{ background-color: rgb(101,  
171, 61) }
```

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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