

Converting Colors

XYZ(20.7762, 36.3442, 11.3890)

Have a look what the booklet for
XYZ(20.7762, 36.3442, 11.3890)
contains.

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Color

**XYZ(20.7762, 36.3442,
11.3890)**

Conversions

Conversions Part 1

Format	Color
Hex	44B944
RGB	68, 185, 68
RGB Percent	27%, 73%, 27%
CMY	0.7333, 0.2745, 0.7333
CMYK	0.63, 0.00, 0.63, 0.27
HSL	120°, 46%, 50%
HSV	120°, 63%, 73%
XYZ	20.7762, 36.3442, 11.3890
YIQ	136.6790, -32.1750, -61.1910

Conversions

Conversions Part 2

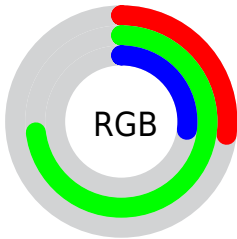
Format	Color
RYB	68, 185, 185
Decimal	4503876
CIELab	66.78, -55.63, 48.49
CIELCh	67, 73.796, 138.918
Yxy	36.3442, 0.3033, 0.5305
Android (android.graphics.Color)	4282693956 (0xFF44B944)
YUV	136.6790, -33.8587, -60.2315
Hunter-Lab	60.2862, -43.9849, 30.9995

Details

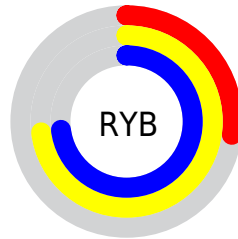
The XYZ color **20.7762, 36.3442, 11.3890** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.8324, 17.9517, 47.7386**, and the grayscale version is **23.7898, 25.0287, 27.2563**.

A 20% lighter version of the original color is **44.2566, 69.5519, 29.1814**, and **8.1601, 16.2501, 2.9362** is the 20% darker color. If you saturate the color by 10%, you get **19.2056, 35.5909, 8.8193**, and if you desaturate by 10%, it is **22.9337, 37.3817, 14.9175**.

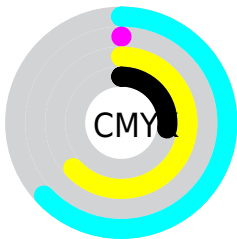
Distribution



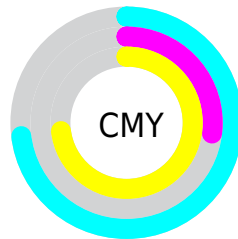
- Red (27%)
- Green (73%)
- Blue (27%)



- Red (27%)
- Yellow (73%)
- Blue (73%)



- Cyan (63%)
- Magenta (0%)
- Yellow (63%)
- Black (27%)




- Cyan (73%)
- Magenta (27%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7762, 36.3442, 11.3890 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 20.7762, 36.3442, 11.3890 by changing the saturation by 10% instead.


 20.7762, 36.3442,
11.3890


 20.7762, 36.3442,
11.3890


248.8410,
330.4625, 211.1495


 13.0720, 24.7001,
6.2117


 44.2089, 69.5630,
29.0248

 7.5555, 15.8538,
2.9033


 60.6681, 91.9065,
42.3204


 3.8613, 9.4208,
1.0455


 80.7763, 118.5854,
59.1592

 1.6240, 5.0166,
0.0000

 104.8990,
149.9838, 79.9597

 0.4079, 2.2570,
0.0000

 133.4015,
186.4864, 105.1404

 0.0000, 0.7508,
0.0000

166.6490,

 0.0000, 0.0000,

228.4774, 135.1200

0.0000

205.0071,
276.3413, 170.3168

■ 20.7762, 36.3442,
11.3890

■ 20.7762, 36.3442,
11.3890

■ 19.2056, 35.5909,
8.8193

■ 22.9337, 37.3817,
14.9175

■ 18.1621, 35.0896,
7.1124

■ 25.7254, 38.7227,
19.4838

■ 17.5779, 34.8090,
6.1566

■ 29.1966, 40.3901,
25.1616

■ 17.3497, 34.6994,
5.7834

■ 33.3879, 42.4033,
32.0172

■ 38.3366, 44.7804,
40.1115

■ 44.0774, 47.5381,
49.5015

■ 50.6430, 50.6919,
60.2406

■ 58.0642, 54.2566,
72.3790

■ 66.3701, 58.2464,
85.9645

Harmonies

Analogous

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



28.0507, 36.3442, 5.2768



20.7762, 36.3442, 11.3890



17.4909, 36.3442, 28.9080

Triad

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



20.7762, 36.3442, 11.3890



30.5860, 36.3442, 135.5447



59.0447, 36.3442, 22.8212

Complementary

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



20.7762, 36.3442, 11.3890



30.8324, 17.9517, 47.7386

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.



60.1351, 36.3442, 52.5824



20.7762, 36.3442, 11.3890



41.9694, 36.3442, 130.6708

Square

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



20.7762, 36.3442, 11.3890



22.2872, 36.3442, 106.2157



53.3490, 36.3442, 95.1664



50.6293, 36.3442, 8.9941

Rectangle

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



20.7762, 36.3442, 11.3890



17.4018, 36.3442, 49.8715



53.3490, 36.3442, 95.1664



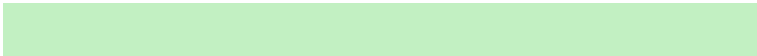
60.3387, 36.3442, 30.7993

Sweetspot

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



20.7771, 36.3457, 11.3898



63.1157, 77.5360, 62.7718



38.4015, 45.4315, 12.2140



13.0848, 16.4646, 12.6791



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.7771, 36.3457, 11.3898



33.5414, 63.3299, 14.3973



23.5319, 37.4477, 25.8966



8.8904, 10.0601, 9.5802



11.8131, 23.6262, 3.9379



0.4164, 0.8329, 0.1388

Inverse Universe

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



30.8324, 17.9517, 47.7386



53.0055, 27.7246, 84.7573



25.8739, 15.9683, 21.6273



9.3810, 9.1628, 11.3535



19.5856, 9.4080, 32.0343



0.6904, 0.3317, 1.1293

Previews

White Background



This preview shows how the XYZ color 20.7762, 36.3442, 11.3890 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 20.7762, 36.3442, 11.3890 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 20.7762, 36.3442, 11.3890

Background



This preview shows how black text looks on a background with the XYZ color 20.7762, 36.3442, 11.3890.



This preview shows how white text looks on a background with the XYZ color 20.7762, 36.3442,

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

20.7762, 36.3442, 11.3890

Protanopia

32.4096, 35.5300, 9.5647

Deuteranopia

36.3196, 35.4746, 12.1408



Tritanopia

28.9502, 36.0717, 52.4504

Trichromacy



Original Color

20.7762, 36.3442, 11.3890



Protanomaly

25.9476, 34.6086, 10.1630



Deuteranomaly

27.4537, 33.9840, 11.5912



Tritanomaly

24.6867, 35.4841, 31.9336

Monochromacy



Original Color

20.7762, 36.3442, 11.3890



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.1623, 27.7258, 19.5655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7762, 36.3442, 11.3890 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(68, 185, 68)` looks like.

```
.text, #text, p{  
    color:rgb(68, 185, 68)  
}
```

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(68, 185, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 185, 68) }
```

Border

The CSS property to change the border of an element to XYZ 20.7762, 36.3442, 11.3890 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(68, 185, 68) }
```


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

```
.border{ border-color:rgb(68, 185, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 185, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 185, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 185, 68);  
box-shadow:4px 4px 4px 4px rgb(68, 185,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7762, 36.3442, 11.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 185, 68) }
```

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

```
.background{ background-color: rgb(68, 185,  
68) }
```

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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