

Converting Colors

XYZ(21.0132, 35.5980, 13.5878)

Have a look what the booklet for
XYZ(21.0132, 35.5980, 13.5878)
contains.

XYZ(20.9608, 35.4664, 13.5255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.9608, 35.4664,
13.5255)**

Conversions

Conversions Part 1

Format	Color
Hex	49B651
RGB	73, 182, 81
RGB Percent	29%, 71%, 32%
CMY	0.7137, 0.2863, 0.6823
CMYK	0.60, 0.00, 0.55, 0.29
HSL	124°, 43%, 50%
HSV	124°, 60%, 71%
XYZ	20.9608, 35.4664, 13.5255
YIQ	137.8950, -32.5430, -54.5190

Conversions

Conversions Part 2

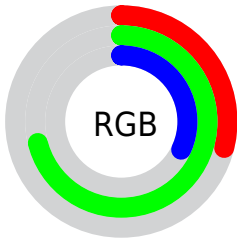
Format	Color
RYB	73, 175, 182
Decimal	4830801
CIELab	66.11, -51.84, 41.78
CIELCh	66, 66.579, 141.135
Yxy	35.4664, 0.2996, 0.5070
Android (android.graphics.Color)	4283020881 (0xFF49B651)
YUV	137.8950, -28.0492, -56.9129
Hunter-Lab	59.5537, -41.3932, 28.2220

Details

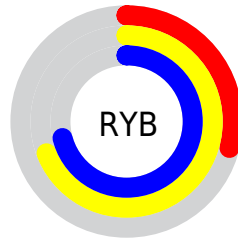
The XYZ color **20.9608, 35.4664, 13.5255** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.3150, 17.7668, 41.9296**, and the grayscale version is **24.2307, 25.4925, 27.7614**.

A 20% lighter version of the original color is **44.6159, 68.3320, 33.0282**, and **7.9535, 15.5321, 3.8071** is the 20% darker color. If you saturate the color by 10%, you get **19.2226, 34.6356, 10.5434**, and if you desaturate by 10%, it is **23.2612, 36.5710, 17.3553**.

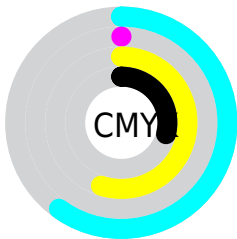
Distribution



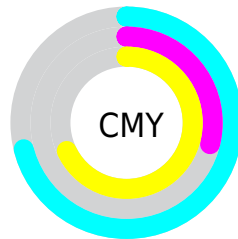
- Red (29%)
- Green (71%)
- Blue (32%)



- Red (29%)
- Yellow (69%)
- Blue (71%)



- Cyan (60%)
- Magenta (0%)
- Yellow (55%)
- Black (29%)



- Cyan (71%)
- Magenta (29%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9608, 35.4664, 13.5255 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 20.9608, 35.4664, 13.5255 by changing the saturation by 10% instead.

■ 20.9608, 35.4664,
13.5255

■ 20.9608, 35.4664,
13.5255

249.8058,
326.6222, 225.5835

■ 13.2076, 24.0224,
7.6564

■ 44.5141, 68.2077,
32.9496

■ 7.6497, 15.3502,
3.7913

■ 61.0449, 90.2737,
47.3417

■ 3.9215, 9.0655,
1.5116

■ 81.2323, 116.6492,
65.4120

■ 1.6578, 4.7840,
0.2265

■ 105.4416,
147.7185, 87.5788

■ 0.4297, 2.1211,
0.0000

■ 134.0383,
183.8661, 114.2609

■ 0.0000, 0.6764,
0.0000

167.3877,

■ 0.0000, 0.0000,

225.4763, 145.8766

0.0000

205.8550,
272.9336, 182.8446

■ 20.9608, 35.4664,
13.5255

■ 20.9608, 35.4664,
13.5255

■ 19.2226, 34.6356,
10.5434

■ 23.2612, 36.5710,
17.3553

■ 17.9960, 34.0507,
8.3424

■ 26.1639, 37.9656,
22.0878

■ 17.2252, 33.6856,
6.8500

■ 29.7082, 39.6705,
27.7764

■ 16.8073, 33.4890,
5.9777

■ 33.9294, 41.7029,
34.4694

■ 16.8036, 33.4872,
5.9711

■ 38.8601, 44.0785,
42.2120

■ 44.5310, 46.8123,
51.0468

■ 50.9709, 49.9182,
61.0137

■ 58.2069, 53.4095,
72.1508

■ 66.2651, 57.2988,
84.4943

Harmonies

Analogous

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



27.3051, 35.4664, 6.8306



20.9608, 35.4664, 13.5255



18.1902, 35.4664, 30.8143

Triad

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



20.9608, 35.4664, 13.5255



30.8621, 35.4664, 121.3390



54.7498, 35.4664, 22.1149

Complementary

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



20.9608, 35.4664, 13.5255



29.3150, 17.7668, 41.9296

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.



56.2168, 35.4664, 47.6365



20.9608, 35.4664, 13.5255



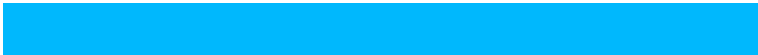
41.0450, 35.4664, 114.9873

Square

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



20.9608, 35.4664, 13.5255



23.1260, 35.4664, 98.4697



50.7980, 35.4664, 83.8862



47.1117, 35.4664, 9.8327

Rectangle

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



20.9608, 35.4664, 13.5255



18.2771, 35.4664, 50.1233



50.7980, 35.4664, 83.8862



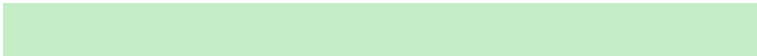
56.0330, 35.4664, 29.0217

Sweetspot

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



20.9617, 35.4679, 13.5263



62.8413, 76.2446, 64.5870



35.5514, 43.0218, 12.7338



13.3463, 16.5832, 13.4239



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.



20.9617, 35.4679, 13.5263



34.0105, 62.3911, 17.6351



23.8333, 36.6165, 28.6481



8.9164, 10.0705, 9.7171



11.8759, 23.6513, 4.2687



0.4277, 0.8374, 0.1982

Inverse Universe

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



29.3150, 17.7668, 41.9296



50.4852, 27.3892, 73.5855



25.0793, 16.0725, 19.6248



9.3517, 9.1511, 11.1995



18.6675, 9.0407, 27.1995



0.6666, 0.3221, 1.0038

Previews

White Background



This preview shows how the XYZ color 20.9608, 35.4664, 13.5255 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 20.9608, 35.4664, 13.5255 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

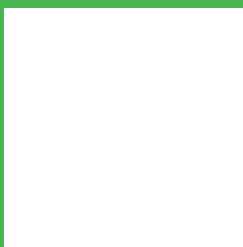
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9608, 35.4664, 13.5255

Background



This preview shows how black text looks on a background with the XYZ color 20.9608, 35.4664, 13.5255.



This preview shows how white text looks on a background with the XYZ color 20.9608, 35.4664,

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

20.9608, 35.4664, 13.5255

Protanopia

31.9383, 34.9831, 11.5477

Deuteranopia

35.5371, 34.7798, 14.2914



Tritanopia

28.4655, 35.2813, 51.2086

Trichromacy



Original Color

20.9608, 35.4664, 13.5255



Protanomaly

25.9896, 34.0301, 12.2198



Deuteranomaly

27.5394, 33.4456, 13.8083



Tritanomaly

24.8129, 34.9402, 33.0401

Monochromacy



Original Color

20.9608, 35.4664, 13.5255



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.7059, 27.9730, 21.0849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9608, 35.4664, 13.5255 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(73, 182, 81)` looks like.

```
.text, #text, p{  
    color:rgb(73, 182, 81)  
}
```

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(73, 182, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 182, 81) }
```

Border

The CSS property to change the border of an element to XYZ 20.9608, 35.4664, 13.5255 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(73, 182, 81) }
```


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

```
.border{ border-color:rgb(73, 182, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 182, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 182, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 182, 81);  
box-shadow:4px 4px 4px 4px rgb(73, 182,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9608, 35.4664, 13.5255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 182, 81) }
```

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

```
.background{ background-color: rgb(73, 182,  
81) }
```

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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