

Converting Colors

XYZ(20.1345, 33.2582, 20.7118)

Have a look what the booklet for
XYZ(20.1345, 33.2582, 20.7118)
contains.

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Color

**XYZ(20.2223, 33.4264,
20.7153)**

Conversions

Conversions Part 1

Format	Color
Hex	37B170
RGB	55, 177, 112
RGB Percent	22%, 69%, 44%
CMY	0.7843, 0.3059, 0.5608
CMYK	0.69, 0.00, 0.37, 0.31
HSL	148°, 53%, 45%
HSV	148°, 69%, 69%
XYZ	20.2223, 33.4264, 20.7153
YIQ	133.1120, -51.8470, -46.0790

Conversions

Conversions Part 2

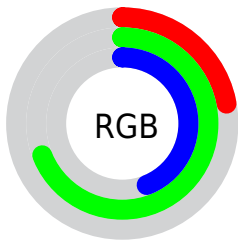
Format	Color
RYB	55, 138, 177
Decimal	3649904
CIELab	64.50, -48.51, 23.77
CIElCh	65, 54.022, 153.893
Yxy	33.4264, 0.2719, 0.4495
Android (android.graphics.Color)	4281839984 (0xFF37B170)
YUV	133.1120, -10.4082, -68.5042
Hunter-Lab	57.8156, -38.7428, 19.2273

Details

The XYZ color **20.2223, 33.4264, 20.7153** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **22.8889, 13.4362, 19.1574**, and the grayscale version is **22.3861, 23.5519, 25.6480**.

A 20% lighter version of the original color is **43.4598, 65.3079, 45.4371**, and **7.9802, 14.5248, 7.0856** is the 20% darker color. If you saturate the color by 10%, you get **18.9233, 32.8152, 18.0560**, and if you desaturate by 10%, it is **21.9257, 34.2416, 23.6822**.

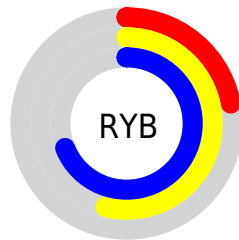
Distribution



Red (22%)

Green (69%)

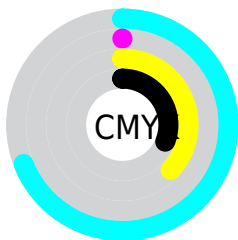
Blue (44%)



Red (22%)

Yellow (54%)

Blue (69%)

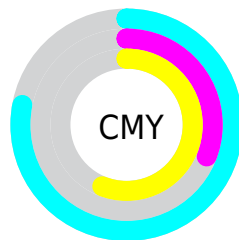


Cyan (69%)

Magenta (0%)

Yellow (37%)

Black (31%)



Cyan (78%)


Magenta (31%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2223, 33.4264, 20.7153 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 20.2223, 33.4264, 20.7153 by changing the saturation by 10% instead.


 20.2223, 33.4264,
20.7153


 20.2223, 33.4264,
20.7153


245.9267,
317.5668, 268.4927


 12.6659, 22.4533,
12.7268


 43.2907, 65.0407,
45.4879


 7.2743, 14.1904,
7.1122


 59.5334, 86.4506,
63.1090


 3.6821, 8.2532,
3.4529


 79.4023, 112.1083,
84.7782

 1.5239, 4.2574,
1.3303

 103.2627,
142.3982, 110.9139

 0.3420, 1.8186,
0.0864

 131.4800,
177.7045, 141.9347

 0.0000, 0.4987,
0.0000

164.4195,

 0.0000, 0.0000,

218.4118, 178.2590

0.0000

202.4467,
264.9044, 220.3055

■ 20.2223, 33.4264,
20.7153

■ 20.2223, 33.4264,
20.7153

■ 18.9233, 32.8152,
18.0560

■ 21.9257, 34.2416,
23.6822

■ 17.9852, 32.3830,
15.6912

■ 24.0659, 35.2745,
26.9643

■ 17.3355, 32.0934,
13.6090

■ 26.6749, 36.5423,
30.5720

■ 17.2725, 32.0654,
13.4013

■ 29.7808, 38.0594,
34.5144

■ 33.4093, 39.8388,
38.8002

■ 37.5844, 41.8929,
43.4376

■ 42.3285, 44.2329,
48.4348

■ 47.6628, 46.8696,
53.7994

■ 53.6074, 49.8132,
59.5391

Harmonies

Analogous

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



24.1939, 33.4264, 11.2897



20.2223, 33.4264, 20.7153



19.1471, 33.4264, 39.3577

Triad

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



20.2223, 33.4264, 20.7153



32.7889, 33.4264, 97.3876



45.7481, 33.4264, 17.4693

Complementary

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



20.2223, 33.4264, 20.7153



22.8889, 13.4362, 19.1574

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.



48.9933, 33.4264, 33.5861



20.2223, 33.4264, 20.7153



40.7844, 33.4264, 84.2942

Square

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



20.2223, 33.4264, 20.7153



25.6783, 33.4264, 89.4461



47.0447, 33.4264, 58.4816



38.7579, 33.4264, 10.0186

Rectangle

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



20.2223, 33.4264, 20.7153



20.0435, 33.4264, 56.4635



47.0447, 33.4264, 58.4816



47.3602, 33.4264, 21.7543

Sweetspot

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



20.2232, 33.4278, 20.7161



58.1633, 70.5275, 67.5625



24.1678, 35.7195, 9.2354



12.2202, 15.0957, 14.1911



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.2232, 33.4278, 20.7161



32.8921, 58.3062, 29.9465



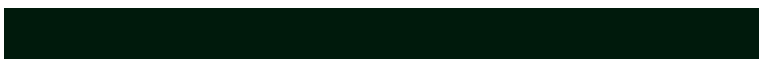
24.8351, 35.2725, 45.0023



8.5487, 9.5540, 9.8830



12.5441, 23.2436, 9.8681



0.4243, 0.7432, 0.4662

Inverse Universe

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



22.8889, 13.4362, 19.1574



37.9698, 20.1008, 26.8849



20.2897, 12.3965, 5.4704



8.6793, 8.5784, 9.8094



14.6416, 7.3742, 8.5384



0.4898, 0.2437, 0.4221

Previews

White Background



This preview shows how the XYZ color 20.2223, 33.4264, 20.7153 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 20.2223, 33.4264, 20.7153 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 20.2223, 33.4264, 20.7153

Background



This preview shows how black text looks on a background with the XYZ color 20.2223, 33.4264, 20.7153.



This preview shows how white text looks on a background with the XYZ color 20.2223, 33.4264,

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

20.2223, 33.4264, 20.7153

Protanopia

30.3180, 32.7468, 17.5548

Deuteranopia

33.3089, 32.7480, 21.7050



Tritanopia

25.8395, 33.1320, 49.2892

Trichromacy



Original Color

20.2223, 33.4264, 20.7153

Protanomaly

24.4511, 31.7470, 18.4747

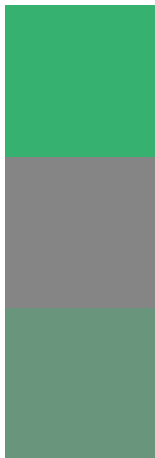
Deuteranomaly

25.7039, 31.2915, 21.2081

Tritanomaly

23.3212, 32.9379, 37.0268

Monochromacy



Original Color

20.2223, 33.4264, 20.7153

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.2748, 25.9788, 23.3479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2223, 33.4264, 20.7153 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(55, 177, 112)` looks like.

```
.text, #text, p{  
    color:rgb(55, 177, 112)  
}
```

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(55, 177, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 177, 112) }
```

Border

The CSS property to change the border of an element to XYZ 20.2223, 33.4264, 20.7153 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(55, 177, 112) }
```


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

```
.border{ border-color:rgb(55, 177, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 177, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 177, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 177, 112);  
box-shadow:4px 4px 4px 4px rgb(55, 177,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2223, 33.4264, 20.7153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 177, 112) }
```

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

```
.background{ background-color: rgb(55, 177,  
112) }
```

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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