

Converting Colors

XYZ(20.7412, 36.0592, 23.4505)

Have a look what the booklet for
XYZ(20.7412, 36.0592, 23.4505)
contains.

XYZ(20.7163, 36.0492, 23.3191)	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(20.7163, 36.0492,
23.3191)**

Conversions

Conversions Part 1

Format	Color
Hex	03B977
RGB	3, 185, 119
RGB Percent	1%, 73%, 47%
CMY	0.9882, 0.2745, 0.5333
CMYK	0.98, 0.00, 0.36, 0.27
HSL	158°, 97%, 37%
HSV	158°, 98%, 73%
XYZ	20.7163, 36.0492, 23.3191
YIQ	123.0580, -87.2860, -59.1100

Conversions

Conversions Part 2

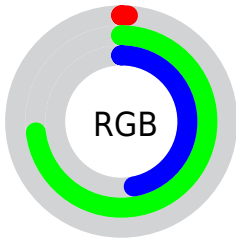
Format	Color
RYB	3, 114, 185
Decimal	244087
CIELab	66.56, -54.95, 22.68
CIELCh	67, 59.444, 157.570
Yxy	36.0492, 0.2587, 0.4501
Android (android.graphics.Color)	4278434167 (0xFF03B977)
YUV	123.0580, -2.0006, -105.2909
Hunter-Lab	60.0410, -43.4828, 19.0013

Details

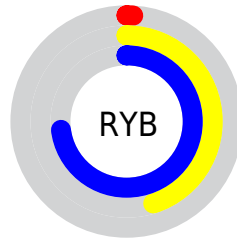
The XYZ color **20.7163, 36.0492, 23.3191** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **21.1157, 10.8100, 6.6064**, and the grayscale version is **18.8748, 19.8578, 21.6251**.

A 20% lighter version of the original color is **44.1283, 69.0242, 50.0269**, and **9.0881, 16.4075, 8.4823** is the 20% darker color. If you saturate the color by 10%, you get **20.6142, 36.0051, 22.9743**, and if you desaturate by 10%, it is **21.4172, 36.3633, 25.5312**.

Distribution



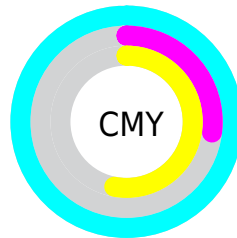
- Red (1%)
- Green (73%)
- Blue (47%)



- Red (1%)
- Yellow (45%)
- Blue (73%)



- Cyan (98%)
- Magenta (0%)
- Yellow (36%)
- Black (27%)





- Cyan (99%)
- Magenta (27%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7163, 36.0492, 23.3191 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 20.7163, 36.0492, 23.3191 by changing the saturation by 10% instead.


 20.7163, 36.0492,
23.3191


 20.7163, 36.0492,
23.3191


248.5273,
329.1755, 282.5346


 13.0281, 24.4722,
14.6218


 44.1097, 69.1080,
49.8466


 7.5250, 15.6843,
8.4107


 60.5457, 91.3586,
68.5138


 3.8418, 9.3010,
4.2673


 80.6282, 117.9358,
91.3415

 1.6130, 4.9380,
1.7731

 104.7227,
149.2241, 118.7481

 0.4009, 2.2110,
0.4101

 133.1944,
185.6078, 151.1521

 0.0000, 0.7260,
0.0000

 166.4089,

 0.0000, 0.0000,

227.4714, 188.9722

0.0000

204.7314,
275.1991, 232.6269

■ 20.7163, 36.0492,
23.3191

■ 20.7163, 36.0492,
23.3191

■ 20.6142, 36.0051,
22.9743

■ 21.4172, 36.3633,
25.5312

■ 22.4190, 36.8281,
27.9080

■ 23.7944, 37.4822,
30.4567

■ 25.5873, 38.3480,
33.1821

■ 27.8353, 39.4449,
36.0887

■ 30.5717, 40.7899,
39.1806

■ 33.8264, 42.3985,
42.4620

■ 37.6270, 44.2848,
45.9365

■ 41.9990, 46.4620,
49.6078

Harmonies

Analogous

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



24.8241, 36.0492, 11.7521



20.7163, 36.0492, 23.3191



19.9053, 36.0492, 46.0931

Triad

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



20.7163, 36.0492, 23.3191



36.5760, 36.0492, 110.9651



49.7551, 36.0492, 16.2539

Complementary

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



20.7163, 36.0492, 23.3191



21.1157, 10.8100, 6.6064

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.



54.2593, 36.0492, 33.1227



20.7163, 36.0492, 23.3191



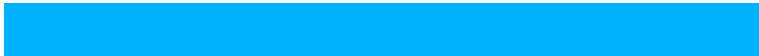
45.8361, 36.0492, 92.5547

Square

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



20.7163, 36.0492, 23.3191



28.1208, 36.0492, 104.5132



52.7127, 36.0492, 61.1634



41.2418, 36.0492, 9.0845

Rectangle

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



20.7163, 36.0492, 23.3191



21.1852, 36.0492, 66.6951



52.7127, 36.0492, 61.1634



51.8501, 36.0492, 20.6067

Sweetspot

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



20.7172, 36.0506, 23.3199



59.2648, 75.2812, 74.7717



19.8735, 35.9984, 5.9875



12.2442, 15.9660, 15.5871



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.



20.7172, 36.0506, 23.3199



36.8025, 64.4360, 40.5346



21.4942, 28.9206, 50.3500



9.1247, 10.1539, 10.8140



14.0718, 24.5297, 15.8318



0.5246, 0.8762, 0.7085

Inverse Universe

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



21.1157, 10.8100, 6.6064



37.5509, 19.1598, 10.7212



20.4232, 11.1180, 1.1561



9.1356, 9.0646, 10.0615



14.3473, 7.3127, 4.4498



0.5360, 0.2699, 0.3160

Previews

White Background



This preview shows how the XYZ color 20.7163, 36.0492, 23.3191 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 20.7163, 36.0492, 23.3191 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

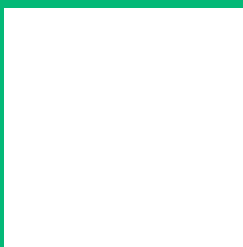
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7163, 36.0492, 23.3191

Background



This preview shows how black text looks on a background with the XYZ color 20.7163, 36.0492, 23.3191.



This preview shows how white text looks on a background with the XYZ color 20.7163, 36.0492,

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

20.7163, 36.0492, 23.3191

Protanopia

32.9607, 35.5925, 19.6008

Deuteranopia

36.0605, 35.3089, 24.6534



Tritanopia

27.1093, 35.9361, 54.7978

Trichromacy



Original Color

20.7163, 36.0492, 23.3191



Protanomaly

24.0375, 33.3864, 20.8001



Deuteranomaly

24.9154, 32.4053, 23.6806



Tritanomaly

23.8665, 35.4491, 41.1818

Monochromacy



Original Color

20.7163, 36.0492, 23.3191



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.0162, 23.6252, 22.0756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7163, 36.0492, 23.3191 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(3, 185, 119)` looks like.

```
.text, #text, p{  
    color:rgb(3, 185, 119)  
}
```

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(3, 185, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 185, 119) }
```

Border

The CSS property to change the border of an element to XYZ 20.7163, 36.0492, 23.3191 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(3, 185, 119) }
```


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

```
.border{ border-color:rgb(3, 185, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 185, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 185, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 185, 119);  
box-shadow:4px 4px 4px 4px rgb(3, 185,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7163, 36.0492, 23.3191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 185, 119) }
```

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

```
.background{ background-color: rgb(3, 185,  
119) }
```

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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