

Converting Colors

XYZ(20.0889, 35.3593, 20.3044)

Have a look what the booklet for
XYZ(20.0889, 35.3593, 20.3044)
contains.

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Color

**XYZ(20.1503, 35.5137,
20.2608)**

Conversions

Conversions Part 1

Format	Color
Hex	12B86D
RGB	18, 184, 109
RGB Percent	7%, 72%, 43%
CMY	0.9294, 0.2784, 0.5725
CMYK	0.90, 0.00, 0.41, 0.28
HSL	153°, 82%, 40%
HSV	153°, 90%, 72%
XYZ	20.1503, 35.5137, 20.2608
YIQ	125.8160, -74.8610, -58.5170

Conversions

Conversions Part 2

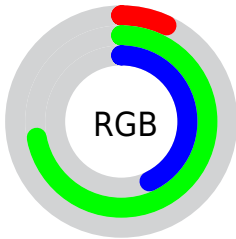
Format	Color
RYB	18, 125, 184
Decimal	1226861
CIELab	66.15, -55.94, 27.45
CIELCh	66, 62.314, 153.863
Yxy	35.5137, 0.2654, 0.4677
Android (android.graphics.Color)	4279416941 (0xFF12B86D)
YUV	125.8160, -8.2903, -94.5546
Hunter-Lab	59.5934, -43.9322, 21.5577

Details

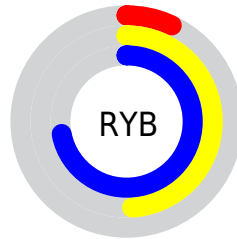
The XYZ color **20.1503, 35.5137, 20.2608** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **21.9607, 11.4142, 11.4043**, and the grayscale version is **19.8157, 20.8477, 22.7031**.

A 20% lighter version of the original color is **43.1438, 68.1931, 44.6069**, and **8.6659, 16.0268, 6.9117** is the 20% darker color. If you saturate the color by 10%, you get **19.4834, 35.2192, 18.0482**, and if you desaturate by 10%, it is **21.1126, 35.9566, 22.7548**.

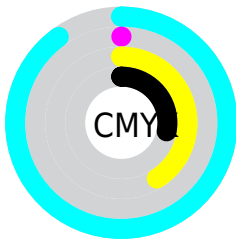
Distribution



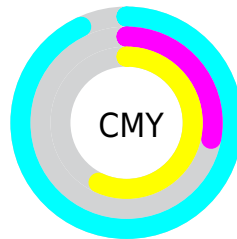
- Red (7%)
- Green (72%)
- Blue (43%)



- Red (7%)
- Yellow (49%)
- Blue (72%)



- Cyan (90%)
- Magenta (0%)
- Yellow (41%)
- Black (28%)





- Cyan (93%)
- Magenta (28%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1503, 35.5137, 20.2608 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 20.1503, 35.5137, 20.2608 by changing the saturation by 10% instead.


 20.1503, 35.5137,
20.2608


 20.1503, 35.5137,
20.2608


245.5457,
326.8300, 265.9743


 12.6132, 24.0589,
12.3988


 43.1711, 68.2808,
44.7187


 7.2379, 15.3773,
6.8901


 59.3855, 90.3619,
62.1517


 3.6590, 9.0846,
3.3160


 79.2230, 116.7538,
83.6121

 1.5111, 4.7964,
1.2582

 103.0491,
147.8409, 109.5185

 0.3334, 2.1283,
0.0271

 131.2291,
184.0077, 140.2893

 0.0000, 0.6805,
0.0000

 164.1282,

 0.0000, 0.0000,

225.6386, 176.3432

0.0000

202.1120,
273.1179, 218.0987

■ 20.1503, 35.5137,
20.2608

■ 20.1503, 35.5137,
20.2608

■ 19.4834, 35.2192,
18.0482

■ 21.1126, 35.9566,
22.7548

■ 22.4484, 36.5860,
25.4923

■ 24.2040, 37.4267,
28.4821

■ 26.4179, 38.4984,
31.7313

■ 29.1242, 39.8185,
35.2468

■ 32.3535, 41.4027,
39.0351

■ 36.1337, 43.2654,
43.1025

■ 40.4909, 45.4198,
47.4550

■ 45.4494, 47.8784,
52.0984

Harmonies

Analogous

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



24.7664, 35.5137, 9.8850



20.1503, 35.5137, 20.2608



18.9132, 35.5137, 42.2098

Triad

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



20.1503, 35.5137, 20.2608



34.9696, 35.5137, 115.2164



50.8210, 35.5137, 16.6313

Complementary

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



20.1503, 35.5137, 20.2608



21.9607, 11.4142, 11.4043

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.



54.8405, 35.5137, 35.3308



20.1503, 35.5137, 20.2608



44.6905, 35.5137, 98.4193

Square

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



20.1503, 35.5137, 20.2608



26.4969, 35.5137, 104.9693



52.4146, 35.5137, 65.7915



42.2298, 35.5137, 8.5637

Rectangle

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



20.1503, 35.5137, 20.2608



19.9391, 35.5137, 63.2094



52.4146, 35.5137, 65.7915



52.8165, 35.5137, 21.4776

Sweetspot

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



20.1512, 35.5151, 20.2616



60.4368, 75.9314, 72.7431



22.0191, 36.7843, 6.5123



12.5588, 16.1380, 15.1594



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.



20.1512, 35.5151, 20.2616



35.1954, 63.7931, 32.0718



24.9158, 35.6177, 50.9108



9.0908, 10.1403, 10.6353



13.4634, 24.2863, 12.6282



0.5054, 0.8685, 0.6071

Inverse Universe

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



21.9607, 11.4142, 11.4043



38.5564, 19.5620, 16.0162



20.1945, 10.8690, 1.6063



9.1688, 9.0779, 10.2361



14.7378, 7.4689, 6.5061



0.5508, 0.2758, 0.3940

Previews

White Background



This preview shows how the XYZ color 20.1503, 35.5137, 20.2608 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 20.1503, 35.5137, 20.2608 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 20.1503, 35.5137, 20.2608

Background



This preview shows how black text looks on a background with the XYZ color 20.1503, 35.5137, 20.2608.



This preview shows how white text looks on a background with the XYZ color 20.1503, 35.5137,

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

20.1503, 35.5137, 20.2608

Protanopia

32.1058, 34.6958, 16.8092

Deuteranopia

35.5299, 34.8622, 21.3795



Tritanopia

26.9695, 35.5993, 53.5940

Trichromacy



Original Color

20.1503, 35.5137, 20.2608



Protanomaly

23.7869, 32.7664, 17.9028



Deuteranomaly

25.0085, 32.2552, 20.5306



Tritanomaly

23.5810, 35.0570, 38.7815

Monochromacy



Original Color

20.1503, 35.5137, 20.2608



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.7544, 24.2497, 21.5142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1503, 35.5137, 20.2608 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(18, 184, 109)` looks like.

```
.text, #text, p{  
    color:rgb(18, 184, 109)  
}
```

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(18, 184, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 184, 109) }
```

Border

The CSS property to change the border of an element to XYZ 20.1503, 35.5137, 20.2608 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(18, 184, 109) }
```


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

```
.border{ border-color:rgb(18, 184, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 184, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 184, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 184, 109);  
box-shadow:4px 4px 4px 4px rgb(18, 184,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1503, 35.5137, 20.2608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 184, 109) }
```

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

```
.background{ background-color: rgb(18, 184,  
109) }
```

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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