

Converting Colors

XYZ(20.5964, 20.0913, 3.3478)

Have a look what the booklet for
XYZ(20.5964, 20.0913, 3.3478)
contains.

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Color

**XYZ(20.5710, 20.0354,
3.3553)**

Conversions

Conversions Part 1

Format	Color
Hex	9E7512
RGB	158, 117, 18
RGB Percent	62%, 46%, 7%
CMY	0.3804, 0.5412, 0.9294
CMYK	0.00, 0.26, 0.89, 0.38
HSL	42°, 80%, 35%
HSV	42°, 89%, 62%
XYZ	20.5710, 20.0354, 3.3553
YIQ	117.9730, 56.2150, -22.0970

Conversions

Conversions Part 2

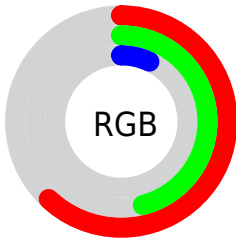
Format	Color
R _Y B	76, 158, 18
Decimal	10384658
CIE Lab	51.88, 7.62, 54.33
CIE LCh	52, 54.859, 82.011
Yxy	20.0354, 0.4679, 0.4557
Android (android.graphics.Color)	4288574738 (0xFF9E7512)
YUV	117.9730, -49.2867, 35.1037
Hunter-Lab	44.7609, 3.7025, 26.8882

Details

The XYZ color **20.5710, 20.0354, 3.3553** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.9850, 5.7252, 33.0316**, and the grayscale version is **17.3493, 18.2528, 19.8773**.

A 20% lighter version of the original color is **44.0393, 43.6221, 12.5773**, and **7.6076, 7.0810, 0.9658** is the 20% darker color. If you saturate the color by 10%, you get **19.9484, 18.9458, 2.6688**, and if you desaturate by 10%, it is **21.3007, 21.2121, 4.4704**.

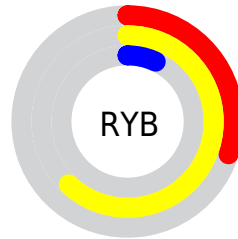
Distribution



Red (62%)

Green (46%)

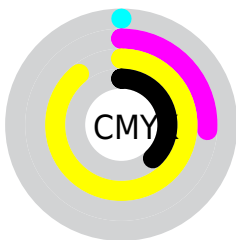
Blue (7%)



Red (30%)

Yellow (62%)

Blue (7%)

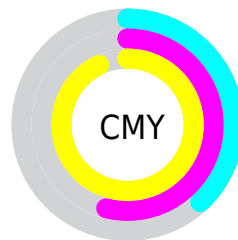


Cyan (0%)

Magenta (26%)

Yellow (89%)

Black (38%)



Cyan (38%)

Magenta (54%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5710, 20.0354, 3.3553 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 20.5710, 20.0354, 3.3553 by changing the saturation by 10% instead.

■ 20.5710, 20.0354,
3.3553

■ 20.5710, 20.0354,
3.3553

247.7648,
252.1067, 140.7647

■ 12.9214, 12.4208,
1.2788

■ 43.8691, 43.4765,
12.4933

■ 7.4511, 7.0309,
0.0443

■ 60.2484, 60.0718,
20.3918

■ 3.7946, 3.4814,
0.0000

■ 80.2684, 80.4295,
31.0681

■ 1.5866, 1.3880,
0.0000

■ 104.2943,
104.9338, 44.9406

■ 0.3837, 0.2078,
0.0000

■ 132.6915,
133.9694, 62.4280

■ 0.0000, 0.0000,
0.0000

■ 165.8254,

167.9204, 83.9488

204.0614,
207.1714, 109.9215

20.5710, 20.0354,
3.3553

20.5710, 20.0354,
3.3553

19.9484, 18.9458,
2.6688

21.3007, 21.2121,
4.4704

19.8650, 18.7983,
2.5814

22.1615, 22.4837,
6.1449

23.1671, 23.8571,
8.4466

24.3288, 25.3372,
11.4333

25.6566, 26.9288,
15.1560

■ 27.1596, 28.6359,
19.6611

■ 28.8461, 30.4625,
24.9910

■ 30.7240, 32.4123,
31.1849

■ 32.8006, 34.4886,
38.2799

Harmonies

Analogous

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



26.4267, 20.0354, 5.4692



20.5710, 20.0354, 3.3553



15.3039, 20.0354, 3.9430

Triad

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



20.5710, 20.0354, 3.3553



10.7382, 20.0354, 35.4512



28.7946, 20.0354, 46.6704

Complementary

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



20.5710, 20.0354, 3.3553



7.9850, 5.7252, 33.0316

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.



23.3465, 20.0354, 64.4092



20.5710, 20.0354, 3.3553



13.1813, 20.0354, 56.0264

Square

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



20.5710, 20.0354, 3.3553



10.2828, 20.0354, 17.8230



17.5927, 20.0354, 68.4813



31.7428, 20.0354, 26.3628

Rectangle

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



20.5710, 20.0354, 3.3553



12.7358, 20.0354, 6.0381



17.5927, 20.0354, 68.4813



27.1496, 20.0354, 53.4709

Sweetspot

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



20.5715, 20.0364, 3.3557



49.6357, 52.3499, 36.6737



15.1325, 8.0281, 5.0275



10.9833, 11.5722, 7.6318



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.5715, 20.0364, 3.3557



35.8956, 33.7788, 4.6281



21.5419, 29.2430, 5.0816



7.0060, 7.3920, 7.0432



15.9452, 15.1260, 2.0792



0.3195, 0.3393, 0.0487

Inverse Universe

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



7.9850, 5.7252, 33.0316



12.8489, 7.7657, 59.5652



7.5148, 3.4823, 32.6234



6.4352, 6.7361, 8.3677



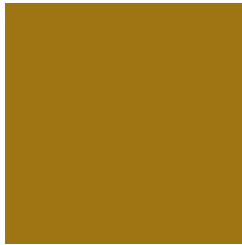
5.7642, 3.6200, 26.3022



0.1370, 0.1326, 0.4816

Previews

White Background



This preview shows how the XYZ color 20.5710, 20.0354, 3.3553 looks on a white background.

Color Contrast Check

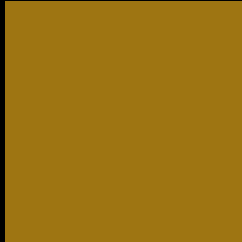
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5710, 20.0354, 3.3553 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 × Fail

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

XYZ 20.5710, 20.0354, 3.3553

Background



This preview shows how black text looks on a background with the XYZ color 20.5710, 20.0354, 3.3553.



This preview shows how white text looks on a background with the XYZ color 20.5710, 20.0354,

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

20.5710, 20.0354, 3.3553

Protanopia

18.1491, 20.0413, 3.5736

Deuteranopia

20.4842, 20.1654, 3.3430



Tritanopia

23.7838, 20.0082, 19.4380

Trichromacy



Original Color

20.5710, 20.0354, 3.3553

Protanomaly

18.9875, 19.9248, 3.4612

Deuteranomaly

20.4842, 20.1654, 3.3430

Tritanomaly

21.9773, 19.7595, 10.4402

Monochromacy



Original Color

20.5710, 20.0354, 3.3553

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.6743, 18.5526, 10.6321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5710, 20.0354, 3.3553 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(158, 117, 18)` looks like.

```
.text, #text, p{  
    color:rgb(158, 117, 18)  
}
```

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(158, 117, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 117, 18) }
```

Border

The CSS property to change the border of an element to XYZ 20.5710, 20.0354, 3.3553 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(158, 117, 18) }
```


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

```
.border{ border-color:rgb(158, 117, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 117, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 117, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 117, 18);  
box-shadow:4px 4px 4px 4px rgb(158, 117,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5710, 20.0354, 3.3553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 117, 18) }
```

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

```
.background{ background-color: rgb(158,  
117, 18) }
```

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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